

Physical &
Applied Sci.
Serials

P
Observ
U.S.

PUBLICATIONS

OF THE

UNITED STATES NAVAL OBSERVATORY.

SECOND SERIES.

VOLUME I.

50079
8/5/01

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1900.

QB
4
W32
v.1
cop.2



SUPERINTENDENTS.

Captain F. V. McNAIR, U. S. N., 1890-1894.

Commodore R. L. PHYTHIAN, U. S. N., 1894-1898.

Captain C. H. DAVIS, U. S. N., 1898-

ASTRONOMICAL DEPARTMENT.

S. J. BROWN	.	.	.	.	.	.	.	.	.	<i>Astronomical Director, Professor of Mathematics, U. S. N.</i>
A. N. SKINNER	.	.	.	.	.	.	.	.	.	<i>Professor of Mathematics, U. S. N.</i>
T. J. J. SEE	.	.	.	.	.	.	.	.	.	<i>Professor of Mathematics, U. S. N.</i>
M. UPDEGRAFF	.	.	.	.	.	.	.	.	.	<i>Professor of Mathematics, U. S. N.</i>
W. S. EICHELBERGER	.	.	.	.	.	.	.	.	.	<i>Professor of Mathematics, U. S. N.</i>
W. S. HARSHMAN	.	.	.	.	.	.	.	.	.	<i>Professor of Mathematics, U. S. N.</i>
G. A. HILL	.	.	.	.	.	.	.	.	.	<i>Assistant Astronomer.</i>
T. I. KING	.	.	.	.	.	.	.	.	.	<i>Assistant Astronomer.</i>
F. B. LITTELL	.	.	.	.	.	.	.	.	.	<i>Assistant Astronomer.</i>
E. A. BOEGER	.	.	.	.	.	.	.	.	.	<i>Computer.</i>
W. M. BROWN	.	.	.	.	.	.	.	.	.	<i>Computer.</i>
G. K. LAWTON	.	.	.	.	.	.	.	.	.	<i>Computer.</i>
J. C. HAMMOND	.	.	.	.	.	.	.	.	.	<i>Computer.</i>
G. H. PETERS	.	.	.	.	.	.	.	.	.	<i>Photographer.</i>

TRANSIT CIRCLE OBSERVATIONS

OF THE

SUN, MOON, PLANETS, AND MISCELLANEOUS STARS.

1894-1899.

Professor WILLIAM HARKNESS, U. S. N., Astronomical Director.
Professor A. N SKINNER, U. S. N., In Charge of Transit Circle.

TABLE OF CONTENTS.

INTRODUCTION	Page. V
BUILDINGS FOR THE INSTRUMENTS	VI
DESCRIPTION OF INSTRUMENTS:	
Nine-Inch Transit Circle	VII
Six-Inch Transit Circle	XII
METHODS OF OBSERVATION AND REDUCTION	XV
Right Ascension	XV
Declination	XVII
EXPLANATION OF PRINTED OBSERVATIONS	XIX
TABLES	XXI
PRINTED OBSERVATIONS	I
RESULTS	349

INTRODUCTION.

The present volume of observations of the United States Naval Observatory constitutes Volume I of the Second Series, which begins with the resumption of work after the removal from the old site and the remounting of the instruments at the new observatory. It will be seen that it makes a departure from the former custom of issuing the volumes annually, as it contains all the transit circle observations of the Sun, Moon, planets, and miscellaneous stars made during the years 1894 to 1899, except those of the *Astronomische Gesellschaft* zone, $-13^{\circ} 50'$ to $-18^{\circ} 10'$. Until December 17, 1899, the date of his retirement, these observations were made under the direction of Prof. WILLIAM HARKNESS, U. S. N., Astronomical Director.

By the regulations for the government of the Observatory, adopted by the Navy Department September 20, 1894, the Astronomical Director is in charge of and responsible for the direction, scope, character, quantity, and preparation for publication of all work purely astronomical which is performed at the Naval Observatory, and he has charge of all instruments and accessories used in his department, together with their construction, remounting, and repairs. Upon the assumption of the duties of Astronomical Director by Prof. S. J. BROWN, U. S. N., the observations contained in this volume were found nearly ready for publication up to 1898, arranged for appearance in annual volumes of *Washington Observations* according to previous custom.

For many reasons it was decided to abandon this plan of publishing, and hereafter the work of the Observatory will appear in volumes at suitable intervals depending upon the kind and amount of material available.

The small number of observations previous to 1897 is due to the fact that the time of the observing force was largely occupied with the prosecution of the work on the *Astronomische Gesellschaft* zone above referred to, and also that the work was suspended at different times for the execution of alterations and repairs.

PERSONNEL.

The transit circle work contained in this volume was carried on under the direction of AARON N. SKINNER, assistant astronomer to August 3, 1898, and professor of mathematics from August 4, 1898, assisted by the following:

From October 10, 1894, to February 15, 1897, HENRY M. PAUL, assistant astronomer; from October 10, 1894, THEO I. KING, computer to April 19, 1897, assistant astronomer from April 20, 1897; from October 10, 1894, to September 21, 1896, when he resigned, and from June 19, 1897, the date of his reinstatement, FRANK B. LITTELL, computer to August 5, 1898, assistant astronomer from August 6

1898; from February to July, 1896, JOHN N. JAMES, as computer; from October 20, 1896, GEORGE K. LAWTON, computer; from October 26, 1896, ERNEST A. BOEGER, computer; from March 23, 1897, WILLIAM M. BROWN, computer; from October 11, 1897, to July 15, 1898, MINOTT E. PORTER, computer; from September 1, 1898, FRANCIS H. PARSONS, computer; from December 5, 1898, WILLIAM S. EICHELBERGER, computer; from April 3 to July 15, 1899, THOMAS J. J. SEE, professor of mathematics, U. S. N.; from August 9, 1899, MILTON UPDEGRAFF, professor of mathematics, U. S. N.

BUILDINGS FOR THE INSTRUMENTS.

In planning the structures at the new Naval Observatory the principle was adopted of isolating the buildings for the principal instruments. The general arrangement of these buildings is cruciform, the clock room occupying the central position, with rooms immediately adjoining east and west for chronographis.

The center of the clock room has been adopted as the point of reference for the new Naval Observatory. Its co-ordinates are as follows:

Longitude west from Greenwich $5^h \ 8^m \ 15^s.78$
 Latitude $+38^\circ \ 55' \ 14''.0$

The positions of the instruments relative to the center of the clock room are as follows:

	Diff. Lat.	Diff. Long.	Diff. Lat.	Diff. Long.
	<i>Feet.</i>	<i>Feet.</i>	<i>"</i>	<i>s</i>
Nine-Inch Transit Circle	+ 7.47	- 82.00	+0.074	-0.0692
Six-Inch Transit Circle.....	+ 7.47	+ 82.00	+0.074	+0.0692
Prime Vertical Transit.....	+ 52.40	0.00	+0.518	0.0000
Twentysix-Inch Equatorial.....	-171.63	0.00	-1.697	0.0000
Twelve-Inch Equatorial.....	-171.63	-276.45	-1.697	-0.2332
Meridian Instrument of 40-Foot Photoheliograph.....	-354.22	-103.16	-3.502	-0.0870
South Transit.....	-171.63	-225.38	-1.697	-0.1901
Altazimuth.....	+269.72	+156.40	+2.666	+0.1319

The East and West Transit Circle houses, which are entirely isolated, are identical in dimensions and construction, the inside dimensions being 40 feet north and south and 30 feet east and west. The framework of each building, which is of iron resting on a heavy stone foundation, is sheathed and lined with corrugated sheet metal leaving an air space of about 8 inches between the sheathing and lining. Near the base of the metal work on the outside is arranged an abundance of louver-work openings for ventilation. Double-hinged metal shutters meeting at the ridge of the roof cover the slit, which is 3 feet 4 inches in width. Each roof shutter is divided into two parts, the division being located 2 feet south of the center. The slit extends down the north and south walls of the room to within 4 feet 10 inches of the floor, and this part of the slit is protected by double metal shutters hinged on its sides. At the north end of the room one horizontal shaft controls the opening and closing of the two north vertical shutters, and a second horizontal shaft controls the opening and closing of the two north roof shutters. Two similar shafts

at the south end of the room control the opening and closing of the south roof and vertical shutters. The shutter machinery was designed and constructed by WARNER & SWASEY, of Cleveland, Ohio, and works very satisfactorily.

The marble piers of the transit circle and of the collimators are set on capstones of granite 8 inches thick, which in turn are set on the tops of massive piers of hydraulic cement concrete with deep foundations below the cellar floor.

These transit circle observing buildings have been found to preserve a close agreement between the outside and inside temperatures, and the result has consequently shown that their plan of construction is very nearly perfect in this respect.

DESCRIPTION OF INSTRUMENTS.

THE NINE-INCH TRANSIT CIRCLE.

The PISTOR & MARTINS Transit Circle was in active use at the old Observatory from 1866 until June 29, 1891, and immediately thereafter was dismounted for reconstruction, previous to the removal to the new Observatory on Georgetown Heights. Before explaining the changes effected, it is desirable to quote a brief description of the original instrument:

This instrument was made by PISTOR & MARTINS, of Berlin, in 1865. It is of the reversible pattern, and is mounted upon two massive marble piers, with an axis 8 feet 2 inches above the floor. The telescope has a clear aperture of 8.52 inches, and a focal length of 12 feet and 0.7 of an inch. The axis is cast in a single piece, into which the steel pivots, 2.09 inches in diameter and 1.7 inches long, are screwed. The Y's are of gun metal and the bearing surfaces are 0.28 inch wide. The distance between the centers of the bearing surfaces is 3 feet 9.1 inches. The telescope tube is made in two similar parts, which are bolted to the opposite sides of the cube which forms the central portion of the axis. The cube measures 16.64 inches on the edge.

Two circles, identical in form and size, are attached to the extremities of the axis. Each has ten radial arms, is cast in a single piece weighing about 80 pounds, is 45.3 inches in diameter at the outside edge and 43.4 inches at the graduation. The circle on the clamp end of the axis, known as circle A, has inlaid upon its face two bands of silver, each 0.13 of an inch wide, the inner one of which is graduated to every 2', and the outer one to every 10'. The other, known as circle B, has inlaid upon its face a single band of silver, 0.13 of an inch wide, which is graduated to every 2'. The graduation of each of these circles is numbered clockwise from 0° to 360°, and, as they face in opposite directions, when the telescope is moved in zenith distance the reading of one circle increases while that of the other decreases. The circles are attached to the axis in such a manner that they may be adjusted to bring any desired divisions under the microscopes in a given position of the telescope. Each pier carries four micrometer microscopes placed at the extremities of two diameters, which intersect at right angles, and each of which makes an angle of 45° with the vertical. They are attached by means of metal arms, covered with wood, to the brass disk on the face of the pier, which supports the Y's. The microscopes on the western pier are marked I, II, III, IV; those on the eastern pier, V, VI, VII, VIII. The readings of the former diminish and those of the latter increase as the telescope moves from the zenith toward the south. These microscopes magnify about 45 diameters; one revolution of their screws is equal to 30'', and their micrometer heads are divided to 0''.5. Each microscope micrometer is furnished with two parallel threads about 12'' apart, and the reading is made when the image of the division on the limb of the circle appears to be exactly midway between the threads.

In addition to the microscopes already mentioned, each pier carries another, which is employed as a pointer for setting the telescope by means of the coarse graduation on circle A. These microscopes magnify 23 diameters, and are placed at the extremities of horizontal radii to the circles: that on the western pier being north and that on the eastern pier south of the axis. The setting microscope in actual use is always the one at the clamp end of the axis.

The changes effected in the reconstruction of the PISTOR & MARTINS Transit Circle are as follows:

Object glass.—A new object glass ground on the LITTROW curves by CLARK was furnished, having an aperture of 8.97 inches and a focal length of 108 inches, which necessarily involved the following changes:

A new object glass cell was furnished, which was much lighter than the original cell but similar in construction, lateral motion of the lens in the cell being prevented by a steel spring whose action was parallel to the diurnal motion of a star and similar in arrangement to the spring in the PISTOR & MARTINS cell.

New mountings were furnished for the object glass cell and also for the eyepiece draw tube.

The telescope tube was shortened about 18 inches at each end.

About 18 inches was cut off from the top of each marble pier and the axis of the instrument was lowered by the same amount.

Telescope micrometer.—The telescope micrometer was modified in reference to the application of the micrometer screws and springs to the respective reticule plates. No change was made in the eyepiece drawtube, except that the capstan-headed clamping screw was omitted.

The microscope alidades.—For supporting the reading microscopes, circular alidades were furnished cast in brass in one piece, wheel-shaped, 34.5 inches in diameter with ten spokes. They had flat flanges perpendicular to the plane of the alidade 1.9 inches broad, on which at any point of their circumferences the microscopes could be clamped with specially designed fittings. These alidades were so constructed as to be mounted on the same brass disks, without change, which originally supported the radial microscope arms.

Pivots.—The pivots were reground and polished.

Circle B.—Circle B was regradiated.

Handwheel.—The curved arms for turning the instrument were replaced by a brass handwheel covered with leather; its supporting spokes were fitted into the same holes previously occupied by the original curved arms.

Horizontal collimators.—New horizontal collimators 4 inches in aperture and 48 inches in focal length were provided, the north collimator eyepiece having a micrometer. The eyepieces have a magnifying power of 90 diameters. Their mountings were made with apertures directly under the object glass ends for receiving long-focus lenses through which to view the north and south meridian marks. The apertures in the cube of the instrument were enlarged from 2.1 inches to 4 inches in diameter on account of the increase in the size of the collimators.

Collimator piers.—For supporting the horizontal collimators, new marble piers were furnished, the horizontal upper surfaces being 30 inches from north to south and 15 inches from east to west. The collimator mountings were 46.5 inches long from north to south, thus projecting beyond the piers 8.25 inches at each end. These mountings rested on the points of four capstan-headed screws.

Vertical collimator.—A vertical collimator having an object glass of 4 inches aperture and a focal length of 54 inches was provided, mounted horizontally on a vertical axis bolted to the top of the east transit circle pier. A plane silvered glass

mirror is mounted outside of the object glass and is furnished with adjustments so that the plane of the mirror may be set at an angle of 45° with the optical axis of the collimator. The mounting of the telescope is such that it may be turned in the horizontal plane so that the center of the mirror will be in the same vertical line as the center of the axis of the transit circle; consequently an incident ray parallel to the optical axis of the collimator will be reflected by the mirror parallel to the optical axis of the transit circle when it is pointed to the zenith.

This instrument, with the use of a mercury horizon, was designed for the purpose of determining the cosine flexure of the transit circle.

Meridian marks.—Two meridian marks were arranged for, the north one of which has been mounted.

Long-focus lenses.—Two lenses of 6 inches aperture and about 380 feet focal length were provided for viewing north and south meridian marks. The arrangement for the mounting of these lenses is explained in the description of the horizontal collimators.

Reversing carriage.—Changes were made in the reversing carriage, which were rendered necessary, by lowering the axis of the transit circle.

The above-mentioned changes were executed and the new apparatus furnished by GEORGE N. SAEGMÜLLER, of Washington, D. C., under the direction of Prof. J. R. EASTMAN, U. S. N.

The instrument was remounted at the new Naval Observatory in the East Transit house in the fall of 1892.

The new LITROW object glass was found to have excellent definition over a limited area in the middle of the field, but this area of good definition was not large enough to satisfy the demands of meridian work, consequently it was exchanged for another glass by CLARK, which was ground on FRAUNHOFER-HERSCHEL curves, computed by Prof. WILLIAM HARKNESS, U. S. N., with an aperture of 9.14 inches and a focal length of 107 inches. The LITROW object glass was last used October 24, 1894, and the new FRAUNHOFER-HERSCHEL glass was first used October 31, 1894. The definition of this glass has been found to be satisfactory.

Practical work with the reconstructed instrument showed an instability in the line of collimation. To remedy this defect and to effect other improvements in construction, the following changes were made by WARNER & SWASEY, under the direction of Prof. WILLIAM HARKNESS, U. S. N., between January 28 and June 27, 1896, during which time the work on the instrument was suspended:

New object glass cell.—This cell was nearly an exact copy of the original cell furnished by PISTOR & MARTINS, and was furnished with a similar steel spring for preventing lateral motion of the lens in the cell, whose action was parallel to the diurnal motion of a star.

New mounting for the object glass cell.

New mounting for the eyepiece drawtube.

Clamp screw for drawtube.—A capstan-headed steel screw was fitted for clamping the eyepiece drawtube.

New collimator piers.—The marble collimator piers which were placed in position in 1892 were replaced by larger ones of the same material, which had a top surface

sufficiently large to hold the collimator mountings without projecting. The length from north to south of the horizontal top surfaces of these piers is 48 inches, and the breadth is 18 inches.

Collimator mountings.—The collimator mountings put in position in 1892 were found to be unstable, and their place was supplied with others designed by Professor HARKNESS, which were of a very substantial character. In these latter mountings provision was made for a north meridian mark only, which was completed and put into active service in October, 1896.

On June 3, 1899, the work of the nine-inch transit circle was temporarily transferred to the six-inch transit circle. The object of this transfer was for the purpose of executing the following work on the nine-inch transit circle under the direction of Prof. WILLIAM HARKNESS, U. S. N., which was not completed until after the close of the year.

The marble instrument piers were recut to permit more convenient access to the reading microscopes.

The western pier was moved one-fifth of an inch north to bring the azimuth screws to the middle of their adjustment.

The floor between the piers and the tracks for the reversing carriage was relaid.

The original radial arms for supporting the reading microscopes were substituted for the brass alidades which were put in position in 1892.

New lanterns for the illumination of the microscopes, the field, and the threads were provided, which were furnished with facilities for either gas or electric light.

DETAILS REFERRING TO THE NINE-INCH TRANSIT CIRCLE.

The reticule.—In the eye end of the telescope is a fixed reticule of twenty-five vertical threads, and two horizontal threads separated by about 10'', which are inserted principally to mark the center of the field. The notation of the vertical threads is given in Table I.

The thread first crossed by an equatorial star is always called I, consequently when the instrument is reversed the notation of the threads is reversed.

The thread intervals were determined in January and February, 1894, from 72 observations of northern stars for the period October 10, 1894, to October 24, 1894. The object glass having been changed, the thread intervals were again determined in November, 1894, from 74 observations of northern stars for the period October 31, 1894, to June 3, 1899. Between August 11 and October 7, 1896, another determination of the thread intervals was made from 94 observations of northern stars, which differed so little from the values of 1894 as to render unnecessary any change in the intervals in use.

The micrometer.—The eye end contains a right ascension and a zenith distance micrometer, in each of which the readings increase as the threads move toward the micrometer head.

The right ascension micrometer is provided with a single vertical thread, which is employed in determining the collimation constant, the level constant over the mercury horizon at the nadir, and also the interval between C_3 and the meridian

mark. The adopted value of one revolution of the right ascension micrometer screw is as follows:

	s.
From October 10 to October 24, 1894.....	1.2694
From October 31, 1894, to June 3, 1899.....	1.2790

The value of the revolution of the right ascension micrometer was determined by comparing the micrometer measures of the intervals between the right ascension threads with the adopted thread intervals.

The zenith distance micrometer is furnished with six horizontal threads, two of which are about 8" apart and are always referred to as the double threads. The line bisecting the space between them is the line of reference for all zenith distance micrometer readings. About ten revolutions from the double threads toward the micrometer head is a thread termed A and at the same distance on the other side of the double threads is a thread termed B; at about ten revolutions beyond thread B is located a thread termed C.

In observing southern stars the zenith distance micrometer head is below the eyepiece when the clamp is west and above it when the clamp is east. A ROGERS self-registering apparatus is attached to the head of the zenith distance micrometer screw, enabling the observer to make as many as five bisections which may be recorded at his leisure. For description of this device see *Astronomische Nachrichten*, Band 63, Seite 77.

The adopted value of one revolution of the zenith distance micrometer screw determined over the nadir, using both circles and running the screw through about sixty revolutions, is as follows:

	"
From October 10 to October 24, 1894.....	19.0203
From October 31, 1894, to June 3, 1899.....	19.1764

A magnifying power of 136 diameters was used in all the observations with the nine-inch transit circle. In observing the Sun, the aperture of the object glass was reduced by a cap to 4 inches in diameter. The instrument was protected by curtains arranged to prevent the Sun's rays from striking the axis and circles during Sun observations.

Collimators.—The south collimator has two threads intersecting at right angles in the middle of the field. The micrometer of the north collimator has two intersecting threads, each of which makes an angle of about 30° with a line perpendicular to the micrometer screw. When the telescope is vertical, the threads of either collimator may be seen from the other through the apertures in the cube.

The standard sidereal clock.—The HOWARD clock, No. 404, has been used as the standard sidereal clock, except during the short intervals indicated at the head of Table VII. This clock, which is mounted in the clock room, is an eight-day movement, with a gravity escapement and mercurial pendulum, and is driven by two weights, one on each side of the case, in an inclosed space separate from that in which the pendulum swings. The observations have been made by the chronographic method, using a break circuit, the clock breaks occurring every second, except the sixtieth. The breaks are effected by a mechanism connected with the arbor of the escapement wheel of the standard sidereal clock.

The chronograph.—The observations have been recorded on a cylinder chronograph, having a capacity of about two hours, regulated by a HIPPI spring governor.

The barometer and thermometers.—The barometer is of the cistern form by GREEN, of Brooklyn, N. Y., and is furnished with an attached thermometer. It is mounted on the north side of the pier of the counting clock in the transit house. The external thermometer is mounted in a shelter protected by a double roof of boards with an air space between, the upper roof being covered with tin, painted white. The three walls are of double louver work. The thermometer by GREEN is hung in this shelter, about 19 inches outside the inner face of the wall of the observing room and 11.5 feet above the surface of the ground. The thermometer may be read by opening a door in the wall of the observing room. The upper thermometer, also by GREEN, is hung near the instrument, at about the altitude of the object glass of the transit circle.

The spirit level.—The instrument is provided with a hanging level furnished with a spirit level tube obtained in August, 1889, by Prof. J. R. EASTMAN, U. S. N., from Saegmüller.

Meridian mark.—The mark consists of a hole 0.01 inch in diameter drilled in a phosphor bronze plate which is mounted without any adjustment whatever upon a massive pier of masonry laid in Portland cement. It has a concrete foundation 6 feet square by about 5 feet thick, upon which rests a brick pier 36 inches square and 34 inches high, covered with a white marble capstone 38 inches square and 4.5 inches thick. The mark and all the masonry connected with it is covered by a wooden house measuring 10.2 feet square and 7 feet high on the inside. On the south side of the house in the line of sight is a door 12 inches square, in which is a hole, 0.75 inch in diameter, so located that the mark occupies its center as seen through the transit circle telescope.

The meridian mark lens, mounted on the south end of the north collimator pier, has a horizontal adjustment which is effected by a screw provided with a graduated head having 50 divisions. Two revolutions of this screw move the vernier on the lens mounting through 0.1 inch on the scale bolted to the face of the collimator pier. The position of the lens may be read by the vernier to 0.01 of an inch, and by means of the graduated screw head to 0.001 of an inch. The angular value of one revolution of the lens screw in the field of the transit circle telescope is $2''.256 = 0^{\circ}.1504$. It is so arranged that this screw may be operated by a long rod when the observer is at the eye-end of the telescope as it is pointed at the north mark. The position of the mark with reference to the middle thread of the transit circle reticule may be determined, therefore, in two ways: first, by measuring the movement of the lens necessary to bring the mark into coincidence with the middle thread of the reticule; second, by measuring the distance of the mark from the middle thread of the reticule by means of the right ascension micrometer screw. The second method has been the only one used throughout the work.

THE SIX-INCH TRANSIT CIRCLE.

This instrument was temporarily used on the Sun, Moon, and planet work from June 13, 1899, until the end of the year. The following brief description of the instrument is by Prof. WILLIAM HARKNESS, U. S. N., under whose sole direction the instrument was constructed.

This instrument was built by Messrs. Warner & Swasey, of Cleveland, Ohio, in pursuance of their contract dated March 20, 1893, under the immediate supervision of the present Astronomical Director, and in accordance with minutely detailed specifications and instructions furnished by him. In order to reduce the effects of flexure and changes of temperature to a minimum, it is constructed entirely of steel, the two halves of the telescope tube having each been turned out of a solid steel bar 11 inches in diameter and 28 inches long, and the interior both of the telescope tube, the cube, and the axis having been machined out so as to give every part precisely the thickness it was intended to have.

The telescope has a clear aperture of 6 inches, with a focal distance of 72 inches, and is provided with bright and dark field illumination, a system of right ascension and declination wires similar to those in the 9.14-inch transit circle, a right ascension micrometer, a zenith distance micrometer, and four eyepieces magnifying, respectively, 72, 102, 144, and 204 diameters, together with all necessary sunshades and nadir caps. The axis is 36 inches long, the pivots are of hardened steel, 2.24 inches in diameter, and the clamp is provided with double joints so as to preclude the possibility of its transmitting any pressure to the pivots. There are two steel circles, each 26.75 inches in diameter, divided upon silver to every two minutes, and each read by four micrometer microscopes. The graduation is figured at every degree, with numbers small enough to be read both in the setting and in the micrometer microscopes, and for determining the errors of graduation two auxiliary microscopes are provided. The illumination of the circles and of the field of the telescope is derived from a common source, which can be instantly changed from gas to electric light by the mere pushing of a slide. The adjustments for level and azimuth are of the most solid description, and so arranged that they can always be brought into a condition which is equivalent to their complete elimination. A hanging level, several pieces of special testing apparatus, a reversing carriage, and a movable mercury basin for reflection observations of stars are also provided.

One vertical and two horizontal collimators are mounted in connection with this instrument, each having a clear aperture of 4.05 inches. The vertical collimator has a focal length of 51.5 inches, and is provided with a collimating cap, while the two horizontal collimators have a focal length of 48 inches, and are provided with a striding level, and stops so arranged that the collimators can be rotated accurately through arcs of 90° , in order to eliminate collimation both in a vertical and in a horizontal direction.

The 6-inch transit circle is mounted in the west transit circle house, whose interior was left unfinished when the building was erected. The marble piers for the transit circle and collimators were put in place in June, 1896. The wooden floor beams were placed on the iron girders; the iron tracks for the reversing carriage and mercury basin, together with the turn-table, were put in, and the lower floor was laid in November, 1897. The transit circle and collimators were set up in December, 1897, the upper floor was laid in March, 1898, and the curtains for protecting the instrument during observations of the sun were put up in May, 1898.

A carefully designed meridian mark has been erected 387.6 feet north of the axis of the 6-inch transit circle, to be viewed through a lens of 6 inches aperture and 371.7 feet focus, mounted on the northern end of the northern collimator pier. The mark consists of a hole 0.020 inch in diameter, drilled in a phosphor bronze plate which is mounted, without any adjustment whatever, upon a massive pier of masonry laid in Portland cement. The pier was begun December 12, 1898, and finished June 1, 1899. It has a concrete foundation 6.0 feet square by 4.42 feet thick, upon which rests a brick pier 36 inches square and 34 inches high, covered by a white marble capstone 38 inches square and 4 inches thick. The iron mounting for the phosphor bronze plate was securely fastened to the marble capstone on June 2, 1899, and the hole which constitutes the actual mark was located and drilled on June 3, 1899. The mark, and all the masonry connected with it, is covered by a wooden house measuring 10.2 feet square and 7 feet high in the inside, the building of which was begun on August 8, 1899, and completed on September 13, 1899.

The arrangement for viewing the mark is similar to that on the nine-inch transit circle.

It should be said, in addition to the above description, that this instrument is modeled closely after the plan of construction of the later REPSOLD transit circles at West Point, Madison, and the Lick Observatory. The two circles are figured clockwise from 0° to 360° , the one at the clamp end of the axis being termed circle A and the other circle B.

The reticule.—The eye end is provided with a fixed reticule similar in arrangement, number of threads, and name of threads, to that of the nine-inch transit circle.

The equatorial intervals were determined in June, 1899, from 92 observations of northern stars for the period June 13 to July 28, 1899. A disturbance of the vertical threads having occurred, the equatorial thread intervals were again determined in August, 1899, from 102 observations of northern stars for the period August 2 to December 31, 1899.

The micrometer.—The eye end is provided with a right ascension and a zenith distance micrometer. The systems of threads in these micrometers are similar to those of the nine-inch transit circle. The readings of right ascension micrometer decrease and those of the zenith micrometer increase as the threads approach the micrometer heads.

In observing southern stars the zenith distance micrometer head was below the eyepiece when the clamp was east. A ROGERS self-registering apparatus is attached to the micrometer head. From June 13 to December 31, 1899, the adopted value of one revolution of the right ascension micrometer was $1^s.900$, and that of the zenith distance micrometer was $28''.4941$. These values were determined in the same manner as those of the nine-inch transit circle.

The power of the eyepiece employed was 144 diameters.

In observing the Sun the aperture of the object glass was reduced by a cap to 3 inches in diameter.

The meridian mark lens was furnished with a horizontal adjustment identical in construction with that of the nine-inch transit circle. The angular value of one revolution of the lens screw, as seen through the transit circle telescope, is $2''.276 = 0^s.1517$.

STANDARD STARS.

The observations in both right ascension and declination are strictly differential. In general the clock corrections and rates have been derived from fundamental stars of the American Ephemeris as closely adjacent to the objects as possible, while the declinations have been deduced from equator points derived from the same stars.

The star places from 1894 to 1899, inclusive, taken from the American Ephemeris, were corrected to conform to the positions of NEWCOMB'S Catalogue of Fundamental Stars, Vol. VIII, Part II, Astronomical Papers of the American Ephemeris, which positions were first used in the American Ephemeris for 1900.

The following exceptions have been made in the places of the reference stars which will be found separately noted in the printed observations:

Berliner Jahrbuch positions of the reference stars have been used for the 1895 opposition of Hebe, also for Hermentaria and B. D.—19° 6281 on September 7, 1896.

Positions from the 303 southern stars for the Astronomische Gesellschaft zones

derived from the definitive corrections in *Astronomische Nachrichten* No. 3511 have been used for the reference stars for the 1895 oppositions of Saturn, Uranus, and Thetis; also for B. D.—18° 2040 on December 2, 6, and 25, 1895.

METHODS OF OBSERVATION AND REDUCTION.

For the day work the general scheme was to observe four stars in the forenoon and four stars in the afternoon. For a single object at night four stars were selected with the object in the middle of the group. If the objects were somewhat scattered two or more groups were observed so as to properly embrace the period desired.

THE RIGHT ASCENSIONS.

The azimuth, level, and collimation constants were determined in the following manner:

Azimuth constant.—Until October 30, 1896, the azimuth constant was determined by means of close circumpolar stars on every observing day, after which date it was derived by means of the meridian mark. The azimuth of the mark was determined on an average twice every week by means of close circumpolar stars, a measurement of the distance of the mark from C_3 , the middle thread of the reticule being made near the time of observation of the pole star. A mean was taken of these observed azimuths of the mark in groups of one or two months, and this mean was adopted as the azimuth of the mark during the corresponding period. The azimuth constant of the instrument was then derived for any given time from the measured distance of the mark from the middle thread of the reticule, using the adopted azimuth of the mark for the period.

The formulæ for deriving the azimuth of the mark and the azimuth constant of the instrument are as follows:

Let A_m = the azimuth of the north mark west of north.

a = the azimuth constant of the instrument.

b = the level constant of the instrument.

C_3 = the collimation correction of C_3 .

$= \frac{S+N}{2} M$, which is explained under collimation constant.

D_m = the measured distance of the mark west of C_3 in revolutions of the right ascension micrometer.

M = the value in seconds of time of one revolution of the right ascension micrometer.

Z = zenith distance north of mark.

$= 93^\circ 38'$ for the nine-inch Transit Circle.

$= 92^\circ 22'$ for six-inch Transit Circle.

Then

$$A_m = -D_m M + a \sin Z - b \cos Z - C_3.$$

FOR THE NINE-INCH TRANSIT CIRCLE.

$$A_m = -D_m M + 0.998a + 0.064b - \frac{S+N}{2} M.$$

If we put—

$$K = 0.640(2D_m + S + N) - 0.064b$$

then

$$A_m = 0.998a - K.$$

$$a = 1.002(A_m + K).$$

FOR THE SIX-INCH TRANSIT CIRCLE.

$$A_m = -D_m M + 0.999a + 0.041b - \frac{S+N}{2} M.$$

If we put—

$$K = 0.950(2D_m + S + N) - 0.041b$$

then

$$A_m = 0.999a - K.$$

$$a = 1.001(A_m + K).$$

Collimation constant.—The collimation constant is determined by means of the horizontal collimators, the south collimator having been adjusted so that one thread is vertical and the north collimator so that the image of this vertical thread bisects the 60° angle between the intersecting north collimator threads.

The covers of the openings through the central cube of the instrument are removed and the instrument is turned until the horizontal thread of the south collimator appears in the field at about 43 revolutions. By means of the horizontal adjusting screws acting against the Y's of the south collimator its vertical thread is moved until it is near the image of C_3 in the telescope. Three measures of this distance between C_3 and the vertical thread of the collimator are made with the right-ascension micrometer.

The telescope is now pointed to the zenith or nadir, and the micrometer of the north collimator is moved until the intersection of its cross threads is exactly on the image of the vertical thread of the south collimator. The telescope is then turned until the intersection of the cross threads of the north collimator appears in the field at about 43 revolutions, when four measures of the distance of C_3 from this intersection are made.

The telescope is then pointed again on the south collimator and another set of measures similar to the first is made. The mean of the first and last set of measures is taken as the true distance of C_3 from the vertical thread of the south collimator.

For convenience in computation the diurnal aberration is combined with the collimation constant.

The collimation constant is derived from these measures as follows:

Let c = the collimation constant.

S = the distance in micrometer revolutions of the vertical thread of the south collimator east of C_3 .

N = the distance in micrometer revolutions of the intersection of the threads of the north collimator east of C_3 .

M = the value in seconds of time of one revolution of the right ascension micrometer screw.

ϕ = the latitude of the observatory.

i = the reduction of the position of C_3 to the mean of the standard set of eleven threads.

Then

$$c = \frac{S+N}{2} M - 0.021 \cos \phi - i.$$

The collimation constant has been determined uniformly for every period of observation so as to avoid uncertainty from temperature changes which are known to exist.

The level constant.—Until February 26, 1895, the level constant was determined entirely with the hanging level.

The value of one division, as determined with a STACKPOLE level trier, is $0''.94$. From the date mentioned, this level having become unserviceable on account of sticking of the bubble, the level constant was derived from the measurement at the nadir of the interval between C_3 and its image reflected from the mercury horizon.

Clock correction.—Each clock correction and rate has been determined from the work of a single observer.

DECLINATION.

The circle was always set on a $2'$ division, so that the four microscope readings would be practically the same for all settings, thus eliminating any small error of runs. If for any cause this was not done, a correction for runs was applied. The position of the object in the field of the telescope in zenith distance was measured with the zenith distance micrometer. Usually four bisections of the object were made at the vertical threads I, II, VI, and VII.

The inclination of the double threads was determined by observations at I and VII of stars not far removed from the equator. The intervals of the other zenith-distance threads from the double threads were measured at I and VII by means of coincidences with the fixed horizontal threads.

In the computation of the reduction to the meridian, for convenience in computation, certain constants have been applied which necessarily appear in the value of the equator point. They are as follows:

From October 24, 1894, to June 3, 1899, for zenith distance south, clamp east, the constant $= +1''.80$. For zenith distance north, clamp west, no constant was added.

From June 13 to December 31, 1899, for zenith distance north, clamp east, the constant $= +5''.00$.

Circle A was used on the nine-inch transit circle and Circle B on the six-inch, except in the determination of the value of a revolution of the zenith distance micrometer screw, when both circles were read.

The mean equator point derived from the several stars observed was usually adopted for reducing the observations in each observing period, but when there was indication of a change interpolated values were used.

The zenith point correction was usually determined by nadir observations at each observing period, but was not used in the reductions.

Flexure.—An inspection of the equator points has not indicated any variation dependent upon the zenith distance, and this is confirmed by the small value which resulted from a determination of the flexure by Professor SKINNER in 1897, which will now be detailed.

The method was by means of the horizontal collimators, as follows:

A thread of the south collimator was adjusted to be truly horizontal. The north collimator was rotated 90° , so that the micrometer movement should be in the vertical line. The transit circle telescope was turned to the zenith, and, the caps on the cube having been removed, the north collimator micrometer was set so that the horizontal thread of the south collimator should bisect the cross of the north collimator as seen by an observer at the north collimator. The telescope was then set

on $89^{\circ} 56'$, the horizontal point, and the four microscopes read. Five bisections were then made with the telescope micrometer on the horizontal thread of the south collimator, and the four microscopes were read again. The telescope was then set on $269^{\circ} 56'$ and the four microscopes read. Five bisections were made with the telescope micrometer on the cross of the north collimator, and the four microscopes were read again. This constituted a complete determination. This process was repeated either ten or twenty times; each time the north collimator cross was reset on the south collimator thread. Care was taken to execute the work on days when the temperature was nearly stationary. In this case, if

S=the South Collimator circle reading

N=the North Collimator circle reading

then the horizontal flexure of the instrument from all causes will be $\frac{1}{2}\Delta$ where

$$\Delta = N - S - 180^{\circ}.$$

The results of the flexure observations with the number of determinations and the probable errors are as follows:

	No.	$\frac{1}{2}\Delta$.	Prob. Error.
1897, April 6	20	+0.128	± 0.025
April 29	10	+0.452	± 0.039
May 2	10	+0.244	± 0.053
October 19	10	-0.022	± 0.036

The mean of these determinations giving double weight to that of April 6 is + 0".186.

No correction for flexure or division error has been applied. An investigation of the division error of Circle A may be found in the Washington Observations for 1865, Appendix.

At the end of this introduction may be found the following tables:

TABLE I.—The equatorial thread intervals. The values in this table are the intervals from the mean of sets B, C, and D.

TABLE II.—The adopted values of the readings of the zenith distance micrometer.

TABLE III.—The corrections for inclination and distance of the zenith distance threads. For the zenith distance threads A, B, and C the table gives the reduction to the double threads combined with the correction for the inclination of the double threads.

TABLE IV.—The adopted azimuth of the north meridian mark.

TABLE V.—The corrections to the semidiameters of the Sun, given in the American Ephemeris, obtained from the mean of all the measures made by each observer. The number of observations is indicated by the subscript figures.

TABLE VI.—The adopted values of the collimation, level, and azimuth constants. The column headed *Sidereal Hour* gives the interval for which the adopted values of the constants were used.

TABLE VIa.—The observed values of the azimuth constant for the six-inch transit circle.

TABLE VII.—The adopted corrections and rates of the standard sidereal clock.

TABLE VIII.—The equator points derived from direct observations of ephemeris stars, and the zenith point corrections from nadir observations.

TABLE IX.—The number of observations made by each observer.

EXPLANATION OF THE PRINTED OBSERVATIONS, PP. 1-348.

The column *Number* gives the number on the page for convenience of reference.

The column *Date, Observer, and Object* gives the name of the object, the astronomical date, and the designation of the observer. The day is assumed to commence with the transit of the Sun.

The explanation of the designation of the observer is as follows:

B. = E. A. BOEGER.	P. = H. M. PAUL.
Br. = W. M. BROWN.	Po. = M. A. PORTER.
Ei. = W. S. EICHELBERGER.	S. = A. N. SKINNER.
K. = T. I. KING.	See = T. J. J. SEE.
L. = F. B. LITTELL.	U. = M. UPDEGRAFF.
La. = G. K. LAWTON.	

The column *Threads* gives the number of transit threads observed in right ascension.

The column *Mean Thread* gives the mean of the times of transit of the threads observed reduced to the position of the mean of the eleven threads of sets B, C, and D.

The column *Instrument* under the general head *Corrections* gives the value of

$$Aa + Bb + Cc$$

in Mayer's formula for reducing transit observations.

The column *Clock* under the general head *Corrections* gives the clock correction. The quantities in this column in plain type are the observed clock corrections of the ephemeris stars. The quantities in heavy-face type are the adopted clock corrections for the objects whose positions are sought.

The column *Circle Reading* is, except when otherwise specified, derived from the mean of the readings of the four microscopes.

The column *Mean of Tel. Microm. Readings* gives, unless otherwise noted at the bottom of the page, the mean of the four bisections made at threads I, II, VI, and VII.

The column *Refraction* gives the correction for refraction computed from COFFIN'S modification of BESSEL'S refraction table originally published in the Washington Observations for 1845. These tables were re-edited by Prof. J. R. EASTMAN, U. S. N., and published in 1887. The meteorological record will be found at the bottom of each page. The readings of the barometer and external thermometer have been corrected for errors in scale which have been determined by careful comparison with the standards of the UNITED STATES WEATHER BUREAU by courtesy of Prof. C. F. MARVIN. The attached thermometer readings have not been corrected for scale error.

In connection with the meteorological data at the bottom of the page will be found occasionally the designation "Met. Journal," which refers to the observatory journal of meteorological readings taken by the watchman every three hours. The instruments are located as follows: the barometer in the hall of the main building, and the thermometer in a shelter south of the entrance to the main building.

The column *Eq. Pt. from Stars* gives the seconds of the equator point of Circle A as derived from the observation of each ephemeris star. The seconds of the equator point adopted for each object whose position is sought is printed in heavy type. The degrees and minutes may be found in Table VIII.

The column *Apparent Right Ascension* gives the deduced right ascension of the part of the object observed. The hours and minutes of the positions of ephemeris stars are given for convenience in identification.

The column *Miscellaneous Correction* for right ascension gives the correction to reduce to the center of the object observed, or the reduction to the beginning of the year for miscellaneous stars.

The column *Apparent Declination* gives the deduced declination of the part of the object observed whose position is sought.

The column *Miscellaneous Correction* for declination gives the reduction to the beginning of the year for miscellaneous stars. In the case of observations of the Sun, Moon, and planets the details of the corrections in declination for semidiameter, parallax, and defective illumination will be found at the bottom of each page.

EXPLANATION OF THE RESULTS OF OBSERVATIONS, PP. 349-402.

The ephemeris places of the Sun, Moon, and planets for the years 1894 to 1898, inclusive, have been interpolated for the meridian of the new Naval Observatory, which meridian is used in the American Ephemeris, beginning with 1899.

TABLE I.—*The Equatorial Thread Intervals.*

Vertical Thread.	Nine-Inch Transit Circle.				Six-Inch Transit Circle.	
	Oct. 10, 1894, to Oct. 25, 1894.	Oct. 31, 1894, to Jan. 26, 1895.	Feb. 26, 1895, to Jan. 27, 1896.	June 28, 1896, to June 3, 1899.	June 13, 1899, to July 29, 1899.	Aug. 2, 1899, to Dec. 30, 1899.
	s	s	s	s	s	s
I	+36.709	+37.010	+37.081	+37.010	+35.804	+36.291
A ₁	32.070	32.306	32.469	32.306	31.434	. .
A ₂	30.349	30.568	30.544	30.568	29.724	. .
A ₃	28.490	28.683	28.756	28.683	. .	. .
A ₄	26.600	26.802	26.970	26.802	26.165	. .
II A ₅	24.510	24.678	24.734	24.678	23.826	23.832
III B ₁	12.223	12.334	12.388	12.334	11.930	11.760
B ₂	9.694	9.782	9.718	9.782	9.366	9.323
B ₃	8.164	8.227	8.236	8.227	7.749	7.565
C ₁	4.118	4.136	4.154	4.136	4.226	4.175
C ₂	2.114	+ 2.112	2.078	+ 2.112	2.116	+ 2.143
IV C ₃	+ 0.002	— 0.017	+ 0.017	— 0.017	+ 0.053	— 0.094
C ₄	— 2.054	2.078	— 2.112	2.078	— 2.051	2.167
C ₅	4.120	4.154	4.136	4.154	4.224	4.166
D ₁	8.186	8.236	8.227	8.236	7.848	7.280
D ₂	9.664	9.718	9.782	9.718	9.400	9.162
V D ₃	12.291	12.388	12.334	12.388	11.914	12.095
VI E ₁	24.550	24.734	24.678	24.734	23.815	24.702
E ₂	26.755	26.970	26.802	26.970	26.134	. .
E ₃	28.531	28.756	28.683	28.756	27.955	. .
E ₄	30.320	30.544	30.568	30.544	29.784	. .
E ₅	32.223	32.469	32.306	32.469	31.588	. .
VII	—36.802	—37.081	—37.010	—37.081	—35.817	—36.043

TABLE II.—*The Adopted Values of the Readings of the Zenith Distance Micrometer.*

	Nine-Inch Transit Circle.						Six-Inch Transit Circle.		
	October 10 to 25, 1894.			October 31, 1894 to June 3, 1899.			June 13 to December 30, 1899.		
	4'	5'	6'	4'	5'	6'	3'	4'	5'
''	rev.	rev.	rev.	rev.	rev.	rev.	rev.	rev.	rev.
0	40.000	43.155	46.309	40.000	43.129	46.258	25.000	27.106	29.211
1	.053	.207	.362	.052	.181	.310	.035	.141	.246
2	.105	.260	.414	.104	.233	.362	.070	.176	.282
3	.158	.312	.467	.156	.285	.414	.105	.211	.317
4	.210	.365	.519	.209	.337	.466	.140	.246	.352
5	40.263	43.417	46.572	40.261	43.390	46.518	25.175	27.281	29.387
6	.315	.470	.625	.313	.442	.571	.211	.316	.422
7	.368	.523	.677	.365	.494	.623	.246	.351	.457
8	.421	.575	.730	.417	.546	.675	.281	.386	.492
9	.473	.628	.782	.469	.598	.727	.316	.422	.527
10	40.526	43.680	46.835	40.521	43.650	46.779	25.351	27.457	29.562
11	.578	.733	.887	.574	.702	.831	.386	.492	.597
12	.631	.785	.940	.626	.755	.883	.421	.527	.633
13	.683	.838	46.993	.678	.807	.936	.456	.562	.668
14	.736	.891	47.045	.730	.859	46.988	.491	.597	.703
15	40.789	43.943	47.098	40.782	43.911	47.040	25.526	27.632	29.738
16	.841	43.996	.150	.834	43.963	.092	.562	.667	.773
17	.894	44.048	.203	.887	44.015	.144	.597	.702	.808
18	.946	.101	.256	.939	.068	.196	.632	.737	.843
19	40.999	.154	.308	40.991	.120	.249	.667	.773	.878
20	41.052	44.206	47.361	41.043	44.172	47.301	25.702	27.808	29.913
21	.104	.259	.413	.095	.224	.353	.737	.843	.948
22	.157	.311	.466	.147	.276	.405	.772	.878	29.983
23	.209	.364	.518	.199	.328	.457	.807	.913	30.019
24	.262	.416	.571	.252	.380	.509	.842	.948	.054
25	41.314	44.469	47.624	41.304	44.433	47.561	25.877	27.983	30.089
26	.367	.522	.676	.356	.485	.614	.912	28.018	.124
27	.420	.574	.729	.408	.537	.666	.948	.053	.159
28	.472	.627	.781	.460	.589	.718	25.983	.088	.194
29	.525	.679	.834	.512	.641	.770	26.018	.123	.229
30	41.577	44.732	47.886	41.564	44.693	47.822	26.053	28.159	30.264
31	.630	.784	.939	.617	.745	.874	.088	.194	.299
32	.682	.837	47.992	.669	.798	.926	.123	.229	.334
33	.735	.890	48.044	.721	.850	47.979	.158	.264	.370
34	.788	.942	.097	.773	.902	48.031	.193	.299	.405
35	41.840	44.995	48.149	41.825	44.954	48.083	26.228	28.334	30.440
36	.893	45.047	.202	.877	45.006	.135	.263	.369	.475
37	.945	.100	.254	.929	.058	.187	.299	.404	.510
38	41.998	.152	.307	41.982	.110	.239	.334	.439	.545
39	42.050	.205	.360	42.034	.163	.291	.369	.474	.580
40	42.103	45.258	48.412	42.086	45.215	48.344	26.404	28.510	30.615
41	.156	.310	.465	.138	.267	.396	.439	.545	.650
42	.208	.363	.517	.190	.319	.448	.474	.580	.685
43	.261	.415	.570	.242	.371	.500	.509	.615	.720
44	.313	.468	.623	.294	.423	.552	.544	.650	.756
45	42.366	45.521	48.675	42.347	45.475	48.604	26.579	28.685	30.791
46	.419	.573	.728	.399	.528	.656	.614	.720	.826
47	.471	.626	.780	.451	.580	.709	.649	.755	.861
48	.524	.678	.833	.503	.632	.761	.685	.790	.896
49	.576	.731	.885	.555	.684	.813	.720	.825	.931
50	42.629	45.783	48.938	42.607	45.736	48.865	26.755	28.860	30.966
51	.681	.836	48.991	.660	.788	.917	.790	.896	31.001
52	.734	.889	49.043	.712	.841	48.969	.825	.931	.036
53	.787	.941	.096	.764	.893	49.022	.860	28.966	.071
54	.839	45.994	.148	.816	.945	.074	.895	29.001	.107
55	42.892	46.046	49.201	42.868	45.997	49.126	26.930	29.036	30.142
56	.944	.099	.253	.920	46.049	.178	26.965	.071	.177
57	42.997	.151	.306	42.972	.101	.230	27.000	.106	.212
58	43.049	.204	.359	43.025	.153	.282	.036	.141	.247
59	.102	.257	.411	.077	.206	.334	.071	.176	.282
60	43.155	46.309	49.464	.129	46.258	49.387	27.106	29.211	31.317

TABLE III.—*Inclination and Distance of Zenith Distance Threads.*

Vertical Thread.	Correction for Double Threads.	Correction for Thread A.	Correction for Thread B.	Correction for Thread C.	Vertical Thread.	Correction for Double Threads.	Correction for Thread A.	Correction for Thread B.	Correction for Thread C.
NINE-INCH TRANSIT CIRCLE.					NINE-INCH TRANSIT CIRCLE- Continued.				
October 10, 1894, to October 25, 1894.					June 5, 1895, to January 27, 1896.				
I	—2.44	+3 10.63	—3 14.54	. .	I	+2.01	+3 17.41	—3 10.92	—6 24.04
II	1.63	11.38	13.77	. .	II	1.34	16.66	11.69	24.62
III	—0.81	12.14	12.98	. .	III	+0.67	15.90	12.46	25.21
IV	0.00	12.89	12.21	. .	IV	0.00	15.15	13.23	25.79
V	+0.82	13.65	11.42	. .	V	—0.67	14.40	14.00	26.37
VI	1.63	14.40	10.64	. .	VI	1.34	13.64	14.77	26.96
VII	+2.45	+3 15.16	—3 9.86	. .	VII	—2.01	+3 12.89	—3 15.53	—6 27.54
October 31, 1894, to January 26, 1895.					June 28, 1896, to March 19, 1899.				
I	—2.64	+3 11.73	—3 16.30	. .	I	—1.69	+3 13.39	—3 15.31	—6 27.05
II	1.76	12.58	15.42	. .	II	1.13	13.99	14.65	26.61
III	—0.88	13.43	14.54	. .	III	—0.56	14.59	13.99	26.16
IV	0.00	14.28	13.67	. .	IV	0.00	15.18	13.33	25.72
V	+0.88	15.13	12.79	. .	V	+0.56	15.78	12.67	25.28
VI	1.76	15.98	11.91	. .	VI	1.13	16.38	12.01	24.84
VII	+2.64	+3 16.84	—3 11.04	. .	VII	+1.69	+3 16.98	—3 11.35	—6 24.40
February 26, 1895, to May 9, 1895.					March 20, 1899, to June 3, 1899.				
I	+0.54	+3 14.85	—3 13.21	—6 26.43	I	—1.80	+3 13.59	—3 15.27	—6 26.69
II	0.36	14.79	13.33	26.35	II	1.20	14.32	14.59	26.22
III	+0.18	14.72	13.46	26.26	III	—0.60	15.04	13.91	25.74
IV	0.00	14.66	13.58	26.18	IV	0.00	15.77	13.23	25.27
V	—0.18	14.59	13.70	26.09	V	+0.60	16.49	12.55	24.79
VI	0.36	14.52	13.83	26.00	VI	1.20	17.22	11.87	24.32
VII	—0.54	+3 14.46	—3 13.95	—6 25.92	VII	+1.80	+3 17.94	—3 11.19	—6 23.84
May 18, 1895, to June 1, 1895.					SIX-INCH TRANSIT CIRCLE.				
					June 13, 1899, to June 29, 1899.				
I	—0.12	+3 14.21	—3 13.89	—6 27.05	I	—0.14	. .	. .	. .
II	0.08	14.20	13.91	26.87	II	0.10	. .	. .	. .
III	—0.04	14.19	13.93	26.69	III	—0.05	. .	. .	. .
IV	0.00	14.18	13.94	26.51	IV	0.00	. .	. .	. .
V	+0.04	14.18	13.96	26.33	V	+0.05	. .	. .	. .
VI	0.08	14.17	13.98	26.15	VI	0.10	. .	. .	. .
VII	+0.12	+3 14.16	—3 14.00	—6 25.97	VII	+0.14	. .	. .	. .

TABLE III.—*Inclination and Distance of Zenith Distance Threads*—Continued.

Vertical Thread.	Correction for Double Threads.	Correction for Thread A.	Correction for Thread B.		Vertical Thread.	Correction for Double Threads.	Correction for Thread A.	Correction for Thread B.	
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
June 29, 1899, to July 29, 1899.					August 2, 1899, to December 30, 1899.				
I	—0.04	+4 40.46	—4 48.23	. .	I	—0.01	+4 51.40	—4 49.65	. .
II	0.02	40.48	48.13	. .	II	0.00	51.84	49.50	. .
III	—0.01	40.49	48.03	. .	III	0.00	52.27	49.35	. .
IV	0.00	40.50	47.93	. .	IV	0.00	52.70	49.21	. .
V	+0.01	40.51	47.84	. .	V	0.00	53.13	49.07	. .
VI	0.02	40.52	47.74	. .	VI	+0.01	53.58	48.92	. .
VII	+0.04	+4 40.54	—4 47.64	. .	VII	+0.01	+4 53.98	—4 48.78	. .

TABLE IV.—*Adopted Azimuth of North Mark.*

[Positive when Mark is West of North.]

NINE-INCH TRANSIT CIRCLE.		NINE-INCH TRANSIT CIRCLE.	
1896.		1898.	
October 30.9–November 30.9	—0.278	February 23.6–April 6.6	0.802
December 3.1–December 31.4	0.196	April 6.9–May 16.5	0.786
1897.		May 16.9–June 24.5	0.783
January 1.9–January 30.6	0.216	June 25.0–August 31.6	0.752
February 3.6–February 27.4	0.315	August 31.9–October 1.1	0.723
March 1.5–March 31.4	0.351	October 5.7–November 5.0	0.751
March 31.9–April 29.4	0.335	November 6.8–December 29.9	0.795
May 3.6–May 31.4	0.302	1899.	
June 1.5–June 29.9	0.312	January 6.8–March 31.9	0.833
July 2.1–July 30.9	0.287	April 1.6–June 3.5	—0.804
August 1.9–August 31.1	0.317	SIX-INCH TRANSIT CIRCLE.	
August 31.9–September 21.0	0.298	1899.	
Mark lens moved 3 rev. of lens screw = 0°.451.		June 6.0–July 21.5	—1.087
September 21.0–October 5.5	0.747	July 21.9–September 22.5	1.124
October 5.9–October 31.3	0.754	September 22.9–November 14.4 . . .	—1.108
November 2.3–November 23.9	0.764	Mark lens moved 10 rev. of lens screw = 15°.517.	
1898.		November 14.4–December 30.0	+0.420
November 24.5–January 7.4	—0.768		
January 8.0–February 23.1	—0.799		

TABLE V.—*Corrections to the Semidiameters of the Sun, given in the American Ephemeris, obtained from the mean of all the measures made by each observer.*

Obsr.	Sidereal Time of Semidiam- eter passing the Meridian.	Vertical Semidiamete- ter.	Obsr.	Sidereal Time of Semidiamete- ter passing the Meridian.	Vertical Semidiamete- ter.
NINE-INCH TRANSIT CIRCLE.			NINE-INCH TRANSIT CIRCLE— Continued.		
1894.			1898.		
L.	S +0.02 ₄	// +0.9 ₄	B.	S 0.00 ₂₃	// -0.8 ₂₃
P.	-0.04 ₉	-0.8 ₉	Br.	-0.03 ₁₉	-0.3 ₂₀
S.	+0.13 ₅	-0.2 ₅	K.	-0.03 ₃₉	-1.1 ₄₀
1895.			La.	-0.03 ₁₃	-1.5 ₁₃
K.	S +0.14 ₄	// +1.0 ₃	L.	+0.02 ₄₁	-0.7 ₄₁
L.	+0.06 ₁₉	+0.4 ₁₈	Po.	-0.04 ₁₀	-1.0 ₁₁
P.	-0.06 ₄₅	-1.6 ₄₅	S.	-0.09 ₂₆	-1.8 ₂₆
1896.			1899.		
B.	S -0.01 ₂	// -1.7 ₃	B.	S -0.04 ₇	// -0.4 ₆
K.	-0.06 ₁₄	-1.1 ₁₆	Br.	-0.02 ₈	-0.3 ₇
La.	-0.04 ₆	-1.2 ₄	Ei.	-0.04 ₁₀	-0.6 ₁₀
L.	-0.03 ₁₂	-0.6 ₁₁	K.	-0.01 ₇	-0.6 ₇
P.	-0.09 ₃₁	-2.0 ₃₂	La.	-0.04 ₉	-1.0 ₈
S.	0.00 ₁₉	-1.0 ₁₇	L.	+0.01 ₁₁	-0.4 ₁₂
1897.			See	-0.12 ₃	-1.7 ₃
B.	S -0.04 ₂₃	// -1.1 ₁₉	S.	-0.06 ₃	-1.2 ₃
Br.	-0.04 ₁₂	-1.8 ₁₅	SIX-INCH TRANSIT CIRCLE.		
K.	-0.03 ₃₄	-1.9 ₃₃	1899.		
La.	-0.05 ₃₉	-1.8 ₃₇	B.	S 0.00 ₂₃	// -0.6 ₂₁
L.	-0.02 ₂₄	-1.0 ₂₃	Br.	+0.02 ₁₁	-0.3 ₁₂
P.	-0.06 ₃	-2.3 ₃	Ei.	+0.05 ₆	-0.5 ₅
Po.	See 1898.		K.	+0.06 ₄	-1.4 ₅
S.	-0.05 ₃₁	-1.0 ₃₁	La.	+0.01 ₁₁	-0.6 ₁₂
			L.	+0.06 ₁₅	-0.3 ₁₄
			U.	-0.02 ₁₄	-0.5 ₁₆

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE.					NINE-INCH TRANSIT CIRCLE—Continued.				
1894.	h h	s	s	s	1894.	h h	s	s	s
Oct. 10	21. 8- 2. 1	-0.036	+0.012	-0.417	Dec. 16-17	15. 3-19. 8	+0.097	-0.001	-0.003
11	22. 8- 2. 1	+0.040	-0.048	-0.248	17-18	15. 8-19. 8	+0.311	+0.110	+0.123
15	1. 1- 2. 6	+0.008	-0.054	-0.238	19-20	16. 1-19. 8	+0.340	+0.052	+0.057
16	1. 0- 3. 5	+0.026	-0.054	-0.279	20-21	15. 5-19. 8	+0.301	+0.099	-0.040
17	1. 4- 2. 1	+0.008	-0.100	-0.711	21-22	16. 9- 6. 1	+0.234	+0.067	-0.018
18	1. 0- 2. 4	+0.012	-0.136	-0.302	1895.				
19	1. 0- 2. 4	+0.030	-0.103	-0.299	Jan. 4	0. 7- 1. 3	+0.444	+0.202	+0.317
20	1. 0- 2. 1	+0.004	-0.155	-0.225	22-23	18. 6-21. 7	+0.303	+0.209	+0.650
24	1. 1- 2. 1	+0.030	+0.034	-0.206	26	4. 4- 6. 3	+0.499	+0.210	+0.564
31	1. 4- 2. 1	-0.019	-0.162	-0.387	Feb. 26-27	19. 7- 2. 0	-0.091	+0.188	+0.406
Nov. 1	1. 0- 2. 4	+0.075	-0.086	-0.188	28	4. 8- 6. 3	-0.196	+0.048	+0.257
2	18. 0-18. 8	+0.014	-0.090	-0.225	Mar. 6	5. 0- 7. 7	-0.146	+0.159	+0.172
3	18. 1-20. 4	+0.043	-0.141	-0.316	8- 9	20. 3- 2. 0	-0.063	+0.153	+0.139
3	1. 0- 1. 8	+0.005	-0.043	-0.283	18-19	21. 7- 3. 0	-0.098	+0.188	+0.232
8	13. 3-15. 0	+0.035	-0.008	-0.234	21	6. 5-11. 2	-0.081	+0.217	+0.186
9-10	13. 3-17. 2	+0.063	+0.070	-0.165	22	6. 5-11. 2	-0.100	+0.192	+0.188
11-12	13. 3-17. 7	+0.116	+0.110	-0.073	28	6. 8-11. 2	-0.008	+0.150	+0.138
12-13	13. 3-18. 6	+0.076	+0.052	-0.169	29	6. 8-11. 2	+0.082	+0.069	+0.069
13-14	14. 2-18. 6	+0.090	-0.016	-0.136	Apr. 2- 3	23. 0- 3. 7	-0.016	+0.097	-0.014
14-15	13. 3-18. 6	+0.087	+0.051	-0.089	4- 5	23. 5- 3. 9	+0.057	+0.156	-0.057
15-16	13. 4-18. 8	+0.068	-0.050	-0.192	9-10	0. 0- 4. 2	+0.123	+0.218	+0.142
16	1. 3- 2. 0	+0.070	-0.094	-0.165	10	13. 1-15. 2	+0.149	+0.180	+0.053
19-20	13. 4-18. 6	+0.428	+0.071	-0.104	10	13. 1-15. 2	+0.149	+0.180	+0.060
23-24	13. 3-19. 8	+0.048	+0.002	-0.068	10-11	23. 0- 3. 8	+0.104	+0.205	+0.002
25-26	14. 2-18. 6	+0.189	+0.110	-0.119	16-17	22. 6- 4. 5	+0.080	+0.178	-0.028
26-27	14. 2-19. 2	+0.293	-0.054	-0.052	17-18	0. 1- 4. 5	+0.015	+0.125	-0.046
27	0. 5- 4. 2	+0.255	-0.036	-0.052	18	21. 7-22. 8	+0.163	+0.188	+0.233
Dec. 2- 3	14. 0-19. 3	+0.425	+0.097	+0.253	18-19	0. 1- 4. 0	+0.063	+0.129	+0.037
4	21. 9-22. 8	+0.336	+0.041	-0.007	19	13. 3-15. 2	+0.227	+0.050	-0.020
4- 5	14. 2- 0. 1	+0.288	+0.114	-0.019	19-20	22. 3- 4. 2	+0.249	+0.052	-0.052
6- 7	15. 2-18. 6	+0.376	+0.100	+0.048	22-23	0. 0- 5. 2	+0.117	-0.083	-0.131
7	0. 8- 1. 7	+0.376	+0.027	+0.275	23	13. 3-15. 2	+0.030	+0.002	-0.132
13-14	15. 5-19. 8	+0.199	+0.067	+0.100	23-24	0. 1- 4. 5	+0.270	+0.110	-0.106
14	4. 9- 6. 2	+0.155	+0.128	-0.065	24-25	0. 1- 5. 5	+0.193	-0.021	-0.112
14-15	15. 0-19. 8	+0.371	+0.105	-0.053	May 4	10. 7-15. 2	+0.282	-0.096	-0.115
					4	13. 3-15. 2	+0.282	-0.096	-0.105

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i> *	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1895.	h h	s	s	s	1895.	h h	s	s	s
May 8-9	1. 1- 5. 7	+0.068	-0.110	-0.014	Sept. 13	7. 5- 8. 1	-0.011	-0.036	-0.077
9	12. 9-15. 2	+0.087	-0.082	-0.269	16-17	9. 4-14. 9	-0.193	-0.160	-0.429
21-22	1. 3- 7. 2	+0.014	+0.056	-0.097	20	0. 9- 1. 4	-0.144	-0.111	-0.287
22-23	1. 3- 6. 9	-0.038	-0.005	-0.126	20-21	9. 4-14. 5	-0.216	-0.183	-0.213
27-28	2. 0- 8. 5	-0.002	-0.024	-0.105	22	0. 1- 1. 4	-0.065	-0.125	-0.361
June 1	12. 0-13. 3	-0.136	-0.181	-0.245	22-23	10. 1-16. 4	-0.041	-0.179	-0.262
5-6	2. 9- 8. 0	-0.056	-0.023	-0.250	25-26	10. 1-14. 8	+0.014	-0.141	-0.278
6	13. 1-17. 1	-0.056	-0.102	-0.247	27	0. 6- 1. 7	-0.238	+0.026	-0.408
7	13. 3-18. 1	-0.033	-0.084	-0.193	28	20. 4- 1. 4	-0.113	+0.019	-0.418
7-8	2. 8- 8. 2	-0.079	-0.097	-0.183	30-1	10. 1-14. 7	-0.073	+0.079	-0.448
8	13. 3-15. 2	-0.054	-0.099	-0.163	Oct. 1	22. 8- 1. 4	-0.055	+0.083	-0.381
July 2-3	4. 2-10. 2	-0.257	-0.150	-0.254	1-2	10. 1-14. 5	+0.095	+0.008	-0.483
3	15. 9-16. 9	-0.223	-0.190	-0.168	2	0. 6- 1. 4	-0.020	+0.013	-0.504
8-9	4. 5-10. 3	-0.288	-0.255	-0.255	2-3	10. 2-14. 7	-0.067	-0.034	-0.405
9-10	4. 5-10. 4	-0.190	-0.107	-0.205	3	0. 4- 1. 4	+0.058	-0.017	-0.512
17-18	5. 3-10. 8	-0.276	-0.195	-0.176	3-4	11. 1-14. 7	+0.004	-0.042	-0.433
19-20	5. 3-10. 9	-0.275	-0.180	-0.033	4-5	10. 2-14. 3	-0.107	+0.029	-0.380
30	15. 9-16. 5	-0.219	-0.186	-0.196	5	1. 4- 2. 6	+0.107	-0.020	-0.474
Aug. 6-7	6. 5-11. 7	-0.232	-0.150	+0.005	9-10	11. 1-15. 7	-0.100	+0.106	-0.294
7-8	6. 7-11. 8	-0.239	-0.142	-0.058	13-14	11. 2-15. 7	-0.158	-0.015	-0.323
8-9	6. 9-11. 8	-0.235	-0.127	-0.010	15-16	11. 2-15. 7	-0.146	+0.040	-0.442
9-10	6. 9-12. 2	-0.238	-0.127	-0.020	17-18	11. 2-15. 5	-0.133	+0.071	-0.338
12-13	7. 1-11. 9	-0.195	-0.162	-0.073	18-19	11. 2-15. 7	-0.144	+0.036	-0.311
15-16	7. 6-12. 0	-0.192	-0.159	-0.060	20-21	11. 2-17. 2	-0.068	+0.105	-0.319
18-19	7. 6-12. 0	-0.169	-0.11	-0.147	21-22	11. 2-18. 1	-0.115	+0.086	-0.292
22-23	7. 5-13. 4	-0.176	-0.143	-0.148	22-23	11. 2-19. 0	-0.101	+0.054	-0.322
23-24	7. 5-13. 8	-0.200	-0.167	-0.039	23-24	11. 2-15. 7	-0.081	+0.115	-0.366
26	13. 3-16. 0	-0.256	-0.120	-0.251	24	19. 5-20. 2	-0.081	+0.115	-0.190
27	23. 9- 1. 4	-0.231	-0.109	-0.311	24-25	11. 2-15. 7	-0.129	+0.026	-0.336
28	17. 3-18. 1	-0.259	-0.141	-0.214	25	20. 2-21. 1	-0.118	-0.010	-0.344
31	19. 5-20. 5	-0.188	-0.155	-0.381	25-26	11. 2-15. 7	-0.116	+0.092	-0.325
Sept. 2	22. 0- 1. 0	-0.062	-0.099	-0.317	26	21. 3-21. 8	-0.107	+0.054	-0.328
3	22. 0- 1. 4	-0.079	-0.107	-0.489	27-28	11. 2-16. 4	-0.156	-0.028	-0.291
4	22. 8-23. 9	-0.093	-0.143	-0.329	28-29	11. 2-16. 4	-0.070	+0.124	-0.336
11	5. 0- 6. 1	-0.124	-0.145	-0.330	29	23. 4- 0. 1	-0.033	+0.131	-0.242

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1895.	h h	s	s	s	1896.	h h	s	s	s
Oct. 29-30	11. 7-16. 4	-0. 018	+0. 229	-0. 169	Jan. 14	1. 9- 9. 0	-0. 196	+0. 260	+0. 095
Nov. 2	2. 0- 3. 0	-0. 049	+0. 109	-0. 520	14-15	16. 8-20. 9	-0. 157	+0. 319	+0. 433
3- 4	11. 7-16. 4	-0. 088	+0. 111	-0. 245	15	4. 5- 5. 3	-0. 184	+0. 284	+0. 347
4	20. 8-21. 4	-0. 173	+0. 001	-0. 447	15-16	16. 9-22. 6	-0. 208	+0. 248	+0. 413
5	20. 8-21. 4	-0. 123	-0. 024	-0. 324	16	4. 5- 8. 7	-0. 200	+0. 249	+0. 264
11-12	12. 3-17. 2	-0. 016	+0. 180	+0. 036	17	4. 8- 8. 7	-0. 197	+0. 236	+0. 305
15	12. 5-14. 3	-0. 051	+0. 122	-0. 116	17-18	16. 7-23. 0	-0. 213	+0. 251	+0. 367
17-18	14. 2-18. 3	-0. 079	+0. 124	+0. 039	21	4. 8- 8. 7	-0. 191	+0. 270	+0. 086
18-19	12. 9-18. 5	-0. 069	+0. 074	+0. 022	24-25	17. 5-22. 0	-0. 216	+0. 166	+0. 295
20-21	12. 8-20. 4	-0. 033	+0. 257	+0. 142	26	5. 5- 6. 5	-0. 187	+0. 212	+0. 193
21-22	12. 9-21. 2	-0. 050	+0. 208	+0. 110	26-27	17. 8-23. 0	-0. 206	+0. 193	+0. 158
26-27	13. 2-18. 8	-0. 033	+0. 097	-0. 034	27	4. 8- 8. 7	-0. 181	+0. 212	+0. 259
28-29	13. 3-19. 0	-0. 039	+0. 136	+0. 130	June 28-29	4. 4- 9. 7	-0. 104	+0. 075	-0. 14
29	1. 4- 2. 5	-0. 059	+0. 118	+0. 118	29-30	4. 8- 6. 7	-0. 046	+0. 167	-0. 12
Dec. 2	4. 1- 7. 8	-0. 058	+0. 075	-0. 013	30	14. 7-16. 9	-0. 046	+0. 153	-0. 118
2	13. 4-15. 5	-0. 136	-0. 146	+0. 205	30- 1	4. 2- 7. 6	-0. 034	+0. 187	-0. 048
3- 4	13. 4-18. 6	-0. 069	+0. 177	+0. 199	July 1- 2	4. 5- 6. 8	-0. 080	-0. 097	-0. 272
5- 6	13. 8-19. 0	-0. 041	+0. 267	+0. 366	2	4. 2- 9. 7	-0. 062	+0. 114	-0. 143
6	3. 9- 7. 8	-0. 052	+0. 180	+0. 310	12-13	5. 2-11. 0	-0. 099	+0. 125	-0. 090
10-11	14. 2-18. 6	-0. 141	+0. 276	+0. 337	14	5. 2- 6. 5	-0. 085	+0. 149	-0. 224
15-16	14. 5-20. 3	-0. 205	+0. 244	+0. 341	16-17	5. 2-11. 0	-0. 088	+0. 212	-0. 100
25	4. 1- 8. 2	-0. 245	+0. 044	-0. 042	17	13. 3-15. 8	-0. 060	+0. 226	-0. 140
26-27	15. 3-20. 9	-0. 137	+0. 139	+0. 142	18	7. 9-14. 7	-0. 104	+0. 136	-0. 240
1896.					21-22	7. 6- 9. 4	-0. 122	+0. 109	-0. 15
Jan. 1- 2	16. 7-21. 4	-0. 121	+0. 228	+0. 371	22-23	5. 5. 10. 2	-0. 112	+0. 158	-0. 14
3	3. 8-10. 2	-0. 141	+0. 250	+0. 090	24-25	5. 8-10. 2	-0. 027	+0. 155	-0. 13
3- 4	15. 8-20. 5	-0. 169	+0. 264	+0. 318	26-27	6. 5-11. 1	-0. 057	+0. 083	-0. 12
4	1. 1-11. 4	-0. 201	+0. 252	+0. 116	28	8. 5-10. 0	-0. 086	+0. 084	-0. 11
7- 8	16. 4-22. 0	-0. 191	+0. 268	+0. 630	28-29	5. 8-10. 2	-0. 078	+0. 143	-0. 066
9	16. 4-16. 7	-0. 205	+0. 261	+0. 40	30	8. 7-11. 7	-0. 070	+0. 145	-0. 100
10	1. 7- 5. 3	-0. 205	+0. 236	+0. 300	31- 1	5. 8- 9. 3	-0. 053	+0. 165	-0. 291
11	4. 8- 8. 7	-0. 187	+0. 304	+0. 385	Aug. 3- 4	4. 8-11. 7	-0. 046	+0. 180	+0. 034
13	4. 4- 8. 7	-0. 206	+0. 228	+0. 366	4- 5	5. 8-11. 1	-0. 088	+0. 179	-0. 068
13-14	16. 4-21. 7	-0. 165	+0. 280	+0. 391	5- 6	6. 5-11. 1	-0. 085	+0. 175	-0. 091
					6- 7	6. 1-11. 7	-0. 092	+0. 191	-0. 016

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants*—Continued.

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1896.	h h	s	s	s	1896.	h h	s	s	s
Aug. 7-8	6.9-10.0	-0.098	+0.181	+0.002	Sept. 8-9	9.7-13.4	-0.030	+0.246	-0.069
10	10.0-11.7	-0.101	+0.188	+0.131	9	21.0-23.9	-0.062	+0.212	-0.235
10-11	6.5-12.2	-0.079	+0.211	+0.099	9-10	8.7-14.2	-0.030	+0.252	-0.066
11	22.2-22.8	-0.085	+0.285	-0.106	10	22.0-0.0	-0.079	+0.196	-0.066
11-12	7.5-10.3	-0.109	+0.185	-0.172	10-11	9.4-22.9	-0.117	+0.159	-0.128
12-13	6.7-13.4	-0.128	+0.186	-0.084	17-18	10.1-14.7	-0.079	+0.218	-0.074
14	13.3-14.4	-0.091	+0.198	-0.063	18-19	10.1-14.7	-0.103	+0.207	+0.044
14	22.0-22.8	-0.061	+0.255	-0.132	23-24	9.4-14.2	+0.023	+0.385	-0.048
15	13.4-22.6	-0.098	+0.186	-0.157	24-25	9.7-14.2	+0.002	+0.355	-0.137
16	15.7-16.5	-0.124	+0.176	-0.176	25-26	10.1-13.8	-0.025	+0.307	-0.158
16-17	7.5-13.4	-0.080	+0.244	-0.058	29-30	10.2-14.8	-0.033	+0.246	-0.140
17	17.2-18.1	-0.080	+0.244	-0.116	Oct. 5	21.9-0.6	+0.014	+0.359	-0.216
17-18	7.5-13.4	-0.053	+0.238	-0.110	5-6	10.2-15.7	-0.034	+0.273	-0.260
18-19	8.7-13.4	-0.026	+0.280	-0.124	6-7	10.2-15.7	-0.002	+0.323	-0.200
19	19.4-21.8	-0.027	+0.281	-0.182	7-8	11.2-15.7	+0.023	+0.344	-0.326
20	10.8-13.4	-0.036	+0.288	-0.217	8	23.9-2.2	+0.023	+0.344	-0.271
20-21	7.5-11.3	-0.050	+0.269	-0.20	8-9	10.2-16.2	+0.089	+0.435	-0.176
24	19.4-23.6	-0.035	+0.254	-0.188	9	23.4-2.2	+0.049	+0.435	-0.048
24-25	7.5-13.4	-0.042	+0.252	-0.161	14-15	11.2-15.7	+0.038	+0.321	-0.142
25	22.6-0.3	-0.051	+0.227	-0.236	15	21.2-2.1	-0.014	+0.271	-0.185
25-26	7.7-13.4	-0.060	+0.145	-0.154	15-16	11.2-15.7	-0.034	+0.271	-0.196
26	1.0-1.7	-0.069	+0.204	-0.158	19	0.4-2.4	+0.046	+0.352	-0.083
27	1.3-2.0	-0.074	+0.211	-0.244	19-20	12.7-15.5	+0.007	+0.344	-0.220
27-28	7.5-13.5	-0.036	+0.251	-0.158	20-21	13.4-16.4	-0.013	+0.239	-0.201
28	22.2-2.6	-0.039	+0.261	-0.361	21	1.4-2.1	-0.013	+0.239	-0.366
28-29	9.4-13.4	-0.048	+0.218	-0.208	21-22	11.2-16.4	+0.033	+0.332	-0.176
29	1.4-3.8	-0.005	+0.280	-0.087	22	22.2-3.2	+0.016	+0.307	-0.243
30	3.7-4.5	-0.016	+0.257	-0.17	23-24	12.9-17.2	+0.005	+0.323	-0.232
30-31	9.4-13.3	-0.032	+0.218	-0.17	24	1.4-4.7	+0.005	+0.323	-0.258
31	4.9-5.4	-0.012	+0.260	-0.188	25-26	11.2-16.4	-0.025	+0.269	-0.244
31-1	9.4-13.4	-0.012	+0.260	-0.110	26	23.4-6.7	+0.033	+0.293	-0.115
Sept. 1	5.3-6.5	-0.026	+0.268	-0.17	26-27	11.7-16.5	-0.002	+0.266	-0.212
2-3	7.2-22.8	-0.062	+0.223	-0.066	27	1.7-7.8	+0.010	+0.294	-0.082
7	18.9-22.4	-0.011	+0.262	-0.102	29	1.0-2.0	-0.012	+0.196	-0.085
8	22.3-23.8	-0.033	+0.264	-0.10	30	9.5-10.5	-0.043	+0.194	-0.19

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1896.	h h	s	s	s	1896.	h h	s	s	s
Oct. 30-31	12. 9-16. 9	-0.050	+0.184	-0.190	Dec. 8- 9	15. 5-21. 7	-0.004	+0.498	+0.057
31	1. 9- 2. 6	-0.089	+0.205	-0.187	9	1. 4- 5. 8	-0.004	+0.498	+0.104
Nov. 1- 2	11. 7-16. 6	-0.098	+0.233	-0.142	9-10	16. 4-22. 5	-0.007	+0.562	+0.008
2- 3	12. 2-15. 5	-0.073	+0.243	-0.248	10	4. 5- 5. 3	-0.007	+0.611	-0.004
5	1. 6- 3. 7	-0.059	+0.230	-0.159	11	19. 7- 1. 7	+0.018	+0.659	-0.016
5- 6	13. 4-17. 7	-0.054	+0.258	-0.207	11	4. 4- 5. 3	+0.018	+0.659	+0.023
6	0. 4- 2. 6	-0.064	+0.258	-0.210	12	23. 9- 5. 3	+0.034	+0.718	+0.187
6- 7	12. 9-13. 0	-0.046	+0.302	-0.120	13-14	15. 5-20. 3	+0.031	+0.689	+0.044
8- 9	13. 3-18. 6	+0.037	+0.440	-0.110	14	1. 0- 5. 2	+0.031	+0.689	-0.106
9-10	12. 9-14. 2	+0.018	+0.394	-0.077	16	0. 4- 5. 3	+0.083	+0.872	+0.213
10	20. 4- 2. 1	+0.018	+0.394	-0.006	16-17	15. 8-20. 6	+0.044	+0.852	+0.090
12-13	12. 9-17. 7	0.000	+0.338	-0.109	17	4. 0- 5. 2	+0.066	+0.884	+0.213
13	22. 5- 1. 8	0.000	+0.338	-0.195	18-19	15. 8-17. 9	+0.054	+0.90	+0.125
13-14	13. 3-18. 6	+0.046	+0.396	+0.008	21	4. 8- 6. 1	+0.029	+0.93	+0.132
14	21. 7- 1. 5	+0.046	+0.396	+0.054	22-23	15. 5-21. 3	+0.091	+0.942	+0.176
15	21. 8- 0. 7	+0.001	+0.329	-0.004	23	3. 2- 5. 4	+0.106	+0.982	+0.238
15-16	12. 9-18. 6	-0.027	+0.314	-0.097	23-24	15. 8-21. 4	+0.158	+1.057	+0.274
16	22. 0- 2. 4	-0.053	+0.237	+0.076	24	0. 6- 5. 4	+0.141	+1.056	+0.281
16-17	12-9-18. 0	-0.032	+0.242	-0.089	25	3. 3- 5. 3	+0.151	+1.041	+0.512
17	1. 4- 2. 1	-0.064	+0.225	-0.180	26	2. 0- 5. 3	+0.149	+1.044	+0.583
17-18	14. 7-18. 3	-0.090	+0.181	-0.155	27-28	16. 4-22. 0	+0.116	+1.004	+0.383
18	1. 4- 2. 6	-0.099	+0.209	-0.157	28	3. 0- 6. 3	+0.116	+1.004	+0.457
23	17. 5-19. 8	+0.046	+0.438	+0.007	28	13. 4-14. 1	+0.116	+1.004	+0.404
23-24	13. 7-19. 0	-0.007	+0.379	+0.055	28-29	16. 0-19. 9	+0.126	+1.112	+0.449
25	16. 1-18. 8	-0.055	+0.295	-0.070	29	3. 2- 5. 0	+0.119	+1.072	+0.455
25	22. 2-22. 5	-0.055	+0.295	-0.134	30	18. 7-22. 9	+0.043	+0.957	+0.239
30	1. 4- 5. 5	+0.017	+0.426	-0.266	30	1. 1- 5. 3	+0.043	+0.957	+0.297
30- 1	14. 7-18. 6	+0.069	+0.513	+0.192	30-31	15. 7-21. 7	+0.058	+0.950	+0.281
Dec. 2- 3	14. 7-19. 4	+0.080	+0.524	+0.112	31	3. 2- 5. 3	+0.058	+0.950	+0.218
3	22. 2- 5. 4	+0.080	+0.524	+0.118	1897.				
4	4. 8- 5. 5	+0.094	+0.558	+0.197	Jan. 1- 2	17. 2-21. 9	+0.061	+1.054	+0.230
4- 5	15. 5-19. 8	+0.058	+0.545	+0.268	5- 6	18. 6- 6. 1	+0.080	+1.002	+0.216
5	4. 9- 5. 5	+0.021	+0.545	+0.190	6- 7	17. 2- 5. 3	+0.079	+1.048	+0.344
6- 7	14. 2-20. 9	+0.006	+0.488	+0.131	7- 8	16. 2- 6. 1	+0.125	+1.090	+0.434
7	1. 4- 6. 0	+0.006	+0.488	+0.153	8- 9	17. 5-23. 0	+0.073	+1.080	+0.368
8	18. 1-19. 8	0.000	+0.50	+0.099					

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	s	s	s	1897.	h h	s	s	s
Jan. 9	0. 1- 6. 3	+0.032	+1.066	+0.316	Feb. 18-19	19. 3- 1. 4	+0.041	+0.504	+0.142
10	1. 2- 1. 7	+0.05	+1.07	+0.382	19	4. 8- 5. 3	+0.059	+0.509	+0.319
10-11	17. 5- 6. 3	+0.053	+1.068	+0.371	19	12. 2-12. 9	+0.059	+0.509	+0.261
11-12	16. 9-19. 7	+0.052	+1.059	+0.343	22-23	20. 9- 2. 0	+0.050	+0.490	+0.254
12	2. 6- 5. 3	+0.075	+1.121	+0.416	23	5. 0-16. 6	+0.030	+0.478	+0.260
17-18	17. 2-20. 1	+0.029	+0.518	+0.281	23-24	19. 7- 2. 0	+0.063	+0.490	+0.286
18	4. 4- 6. 1	+0.029	+0.518	+0.399	24	4. 5- 5. 5	+0.022	+0.503	+0.286
18-19	17. 2- 0. 1	+0.070	+0.582	+0.370	24	13. 4-13. 8	+0.022	+0.503	+0.154
19	4. 2- 9. 7	+0.070	+0.582	+0.340	25	10. 1-11. 7	+0.050	+0.498	+0.337
20-21	17. 5-23. 6	+0.048	+0.513	+0.444	25	17. 2-18. 7	+0.050	+0.498	+0.273
21	4. 2- 6. 9	-0.019	+0.500	+0.197	26	10. 1-11. 7	+0.040	+0.570	+0.246
21	10. 2-12. 1	-0.019	+0.500	+0.070	26-27	19. 4- 2. 0	+0.116	+0.610	+0.304
21-22	17. 5-23. 4	+0.081	+0.583	+0.416	27	5. 0-11. 2	+0.075	+0.559	+0.213
22	4. 4-12. 3	+0.022	+0.502	+0.216	Mar. '1	10. 1-12. 1	+0.046	+0.529	+0.297
22-23	17. 2-23. 4	+0.057	+0.582	+0.310	1- 2	20. 6- 2. 0	+0.050	+0.437	+0.320
23	3. 7- 5. 3	+0.091	+0.600	+0.338	2	10. 3-16. 5	+0.025	+0.412	+0.254
24	13. 4-15. 7	+0.318	+0.849	+0.543	3	9. 0-17. 0	-0.031	+0.376	+0.038
24-25	17. 7- 0. 1	+0.141	+0.662	+0.457	8	2. 0- 3. 8	+0.023	+0.541	+0.285
25	4. 2- 5. 3	+0.162	+0.690	+0.511	9-10	21. 2- 4. 9	+0.033	+0.408	+0.219
25	10. 5-16. 0	+0.128	+0.694	+0.576	10	9. 7-16. 2	-0.047	+0.403	+0.219
25-26	17. 5-23. 9	+0.170	+0.698	+0.589	10-11	20. 5- 2. 1	-0.031	+0.354	+0.171
26	4. 4- 5. 3	+0.123	+0.641	+0.577	12	5. 5-10. 5	-0.033	+0.388	+0.166
28-29	17. 5- 0. 1	+0.148	+0.618	+0.598	12-13	21. 2- 3. 0	+0.023	+0.477	+0.129
29	4. 5- 5. 3	+0.114	+0.589	+0.691	14	6. 0- 8. 7	-0.003	+0.456	+0.269
29-30	19. 7-23. 8	+0.134	+0.584	+0.745	14-15	20. 6- 0. 6	0.000	+0.470	+0.211
30	10. 5-11. 4	+0.127	+0.590	+0.736	15-16	21. 2- 2. 4	+0.007	+0.459	+0.200
Feb. 3	10. 5-11. 4	+0.050	+0.552	+0.387	16	9. 8-10. 5	+0.030	+0.444	+0.214
3- 4	17. 7- 1. 3	+0.031	+0.526	+0.405	20	0. 0- 1. 8	-0.064	+0.318	+0.370
4	4. 2-10. 7	+0.063	+0.535	+0.383	21	14. 8-16. 4	-0.064	+0.346	+0.152
9	3. 0- 5. 3	+0.070	+0.537	+0.444	21-22	21. 3- 3. 6	-0.130	+0.234	+0.146
12-13	20. 1- 0. 7	+0.061	+0.570	+0.400	22	15. 5-16. 9	-0.094	+0.324	+0.220
13	7. 0-10. 7	+0.085	+0.561	+0.439	23-24	21. 7- 3. 3	-0.053	+0.284	+0.116
14	4. 8-10. 7	+0.065	+0.504	+0.424	24	10. 2-18. 6	-0.016	+0.374	+0.053
16	0. 7-10. 7	+0.043	+0.507	+0.342	24-25	21. 3- 3. 8	-0.005	+0.399	+0.080
17	4. 8-11. 4	+0.045	+0.480	+0.371	25	10. 0-16. 4	-0.014	+0.406	+0.012

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	s	s	s	1897.	h h	s	s	s
Mar. 26	0.4-10.7	+0.009	+0.432	+0.266	Apr. 20	10.1-18.1	+0.024	+0.388	+0.084
26-27	20.3- 3.8	-0.030	+0.388	-0.004	20-21	22.9- 4.5	-0.014	+0.326	+0.131
27	9.7-16.0	+0.014	+0.447	+0.155	21	9.7-18.8	-0.014	+0.280	+0.040
27	20.6-21.4	+0.014	+0.447	+0.226	21-22	0.1- 4.5	-0.014	+0.286	+0.085
28-29	21.7- 4.5	-0.021	+0.371	+0.250	22	9.8-20.2	-0.075	+0.286	+0.045
29	8.0-16.9	-0.063	+0.335	+0.166	22-23	0.1- 4.5	-0.082	+0.140	-0.069
30	9.4-16.4	-0.037	+0.331	+0.098	23	10.1-16.0	-0.082	+0.140	-0.063
30-31	0.1- 3.8	-0.050	+0.337	+0.196	23-24	1.1- 5.2	-0.091	+0.133	+0.056
31	9.7-10.8	-0.060	+0.328	+0.029	24	9.7-10.4	-0.091	+0.133	+0.117
31- 1	22.0- 2.9	-0.052	+0.311	+0.002	26	2.3- 5.8	-0.133	+0.100	-0.153
Apr. 1	10.1-16.4	-0.028	+0.349	-0.006	26	13.3-16.2	-0.043	+0.237	-0.070
1- 2	22.0- 0.8	-0.015	+0.301	+0.151	26-27	23.4- 4.5	-0.062	+0.200	-0.156
2	9.4-16.4	-0.038	+0.295	+0.074	27	9.7-16.0	-0.062	+0.196	-0.089
2- 3	21.4- 3.8	-0.018	+0.327	+0.112	27-28	22.9- 5.2	-0.060	+0.231	-0.039
3	8.4-16.4	-0.023	+0.292	+0.070	28	9.7-16.4	-0.105	+0.130	-0.128
4- 5	0.1- 5.3	-0.060	+0.254	+0.192	28-29	0.1- 6.7	-0.090	+0.161	-0.114
5	14.5-16.9	-0.040	+0.328	+0.100	29	10.1-16.1	-0.127	+0.067	-0.098
6	10.1-16.4	-0.046	+0.308	+0.054	May 3	15.7-16.9	-0.059	+0.273	+0.004
7	15.7-17.2	-0.026	+0.294	+0.080	3	0.1- 2.1	-0.06	+0.25	-0.018
9	10.1-10.7	-0.034	+0.322	+0.013	5	12.9-16.4	-0.060	+0.170	0.000
10	1.3- 4.5	-0.028	+0.356	+0.023	5- 6	0.1- 7.5	-0.086	+0.122	-0.029
10	15.5-16.9	-0.030	+0.342	-0.134	6	13.1-16.4	-0.146	+0.061	-0.138
11	8.4-16.9	-0.008	+0.314	+0.124	6- 7	0.1- 7.7	-0.142	+0.033	-0.129
12	9.1-16.5	-0.023	+0.335	+0.147	7	13.3-16.0	-0.133	+0.082	-0.168
12-13	1.1- 3.7	+0.004	+0.346	+0.107	7- 8	0.6- 8.7	-0.112	+0.145	-0.105
13	10.1-16.4	-0.024	+0.303	+0.078	8	13.3-16.2	-0.086	+0.159	-0.140
15	1.6- 5.3	-0.079	+0.238	+0.003	9	9.4-10.7	-0.108	+0.087	-0.145
15	10.1-16.4	-0.093	+0.252	+0.028	13	12.9-13.3	-0.131	+0.106	-0.041
15-16	0.6- 4.5	-0.036	+0.316	0.000	13-14	3.3- 6.7	-0.103	+0.115	-0.065
17	1.7- 4.5	-0.062	+0.314	-0.033	15	3.5- 5.3	-0.112	+0.098	-0.110
17	9.8-16.4	-0.051	+0.320	-0.026	15	13.7-16.4	-0.077	+0.137	-0.023
18	9.8-16.4	-0.028	+0.289	+0.030	16	13.3-16.4	-0.109	+0.093	-0.048
18-19	0.1- 5.8	-0.113	+0.166	-0.001	16-17	0.3- 5.3	-0.110	+0.129	-0.031
19	9.7-17.5	-0.033	+0.166	-0.043	17	12.9-18.1	-0.110	+0.129	-0.109
19-20	0.1- 4.5	+0.002	+0.375	-0.092	17-18	1.1- 5.3	-0.126	+0.069	-0.146

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	s	s	s	1897.	h h	s	s	s
May 18	15.5-18.8	-0.126	+0.069	+0.010	June 13	15.2-17.3	-0.195	+0.004	-0.106
18-19	1.1- 6.7	-0.123	+0.064	-0.089	13-14	2.6- 7.7	-0.194	-0.020	-0.157
19	13.3-19.6	-0.156	-0.008	-0.157	14	15.6-18.1	-0.202	+0.004	-0.205
19-20	1.9- 5.8	-0.161	+0.097	-0.076	14-15	2.7- 6.7	-0.192	-0.038	-0.101
20	13.3-20.8	-0.167	+0.001	+0.003	15-16	5.2- 7.7	-0.206	0.000	-0.105
21	12.9-22.0	-0.124	+0.084	+0.004	18	22.0-22.8	-0.195	+0.015	-0.204
21-22	1.1- 5.8	-0.086	+0.128	-0.188	18-19	4.5- 8.9	-0.206	+0.013	-0.137
22	13.4-22.8	-0.074	+0.106	-0.111	20	22.8- 1.4	-0.135	+0.107	-0.155
23-24	4.1- 7.6	-0.167	-0.008	-0.123	20-21	2.6- 7.1	-0.167	+0.097	-0.135
24	22.6- 0.1	-0.140	+0.052	-0.205	21	12.9-16.0	-0.161	+0.100	-0.218
24-25	1.4- 7.7	-0.106	+0.078	-0.142	21	23.4- 1.4	-0.181	+0.116	-0.206
25	13.4-16.0	-0.072	+0.153	-0.072	21-22	5.8- 7.7	-0.203	+0.003	-0.228
25	23.6- 0.6	-0.072	+0.153	-0.159	22	15.2-16.0	-0.203	+0.003	-0.174
25-26	1.1- 5.2	-0.098	+0.121	-0.150	22	0.1- 1.4	-0.181	+0.052	-0.185
26	13.3-16.4	-0.088	+0.105	-0.105	22-23	2.6-10.1	-0.185	+0.024	-0.145
26-27	1.1- 6.7	-0.115	+0.095	-0.145	23	13.3-16.4	-0.202	+0.006	-0.186
27	13.4-17.5	-0.130	+0.089	-0.171	23	0.1- 2.0	-0.196	+0.022	-0.058
27-28	1.4- 5.5	-0.105	+0.093	-0.164	23-24	3.1- 6.3	-0.210	-0.030	-0.138
28-29	1.1- 6.7	-0.128	+0.089	-0.205	24	14.5-16.0	-0.247	-0.040	-0.178
29	13.4-17.0	-0.117	+0.090	-0.170	24-25	2.7- 8.7	-0.238	-0.084	-0.116
31	12.9-16.0	-0.140	+0.028	-0.062	25	15.2-15.8	-0.238	-0.066	-0.110
June 1	15.2-16.0	-0.127	+0.068	-0.192	25-26	3.6- 7.7	-0.246	0.000	-0.078
1- 2	1.3- 7.7	-0.115	+0.075	-0.218	26	15.5-16.4	-0.238	+0.007	-0.181
2	13.3-16.4	-0.119	+0.046	-0.180	29-30	3.0-10.1	-0.230	-0.060	-0.067
3	15.2-16.5	-0.170	-0.013	-0.146	July 1- 2	3.6- 9.0	-0.239	-0.024	-0.156
5	4.9- 5.2	-0.158	+0.025	-0.146	2- 3	3.6- 7.6	-0.248	-0.003	-0.076
5	15.1-16.2	-0.134	+0.045	-0.088	4	10.1-13.4	-0.239	-0.029	-0.125
6	9.7-11.2	-0.139	+0.013	-0.112	5	10.1-13.4	-0.249	-0.054	-0.221
9	12.2-16.0	-0.127	+0.084	-0.106	5- 6	3.8-12.5	-0.240	-0.049	-0.107
9-10	3.3- 7.6	-0.152	+0.052	-0.165	6- 7	5.2-14.8	-0.238	-0.047	-0.023
10	13.3-15.8	-0.147	+0.044	-0.181	7- 8	4.4-10.4	-0.258	-0.033	-0.112
10-11	2.0- 5.8	-0.171	-0.015	-0.155	8	13.3-14.8	-0.254	-0.067	-0.264
11	13.4-17.7	-0.209	0.001	-0.131	8- 9	4.1- 8.9	-0.227	-0.064	-0.155
12	5.4- 9.4	-0.210	-0.002	-0.126	9	4.1- 5.3	-0.253	-0.063	-0.155
12	15.2-16.0	-0.215	+0.007	-0.131	11	13.4-17.4	-0.230	-0.052	-0.170

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	s	s	s	1897.	h h	s	s	s
July 11	4.5- 5.3	-0.227	-0.072	-0.134	Aug. 17	1.4- 2.1	-0.226	-0.058	-0.242
12-13	5.2-11.2	-0.241	-0.003	-0.153	17-18	6.7-14.2	-0.238	-0.088	-0.344
13	19.2-19.6	-0.227	-0.013	-0.121	19	3.2- 4.4	-0.251	-0.081	-0.278
13-14	4.4-10.2	-0.233	-0.039	-0.191	19-20	7.2-13.4	-0.206	-0.066	-0.132
14	20.2-20.9	-0.219	-0.005	-0.231	20	4.2- 4.9	-0.232	-0.104	-0.247
14-15	4.2-10.2	-0.235	-0.042	-0.247	21	5.2- 6.3	-0.245	-0.097	-0.218
15	21.3-22.4	-0.216	-0.027	-0.252	23-24	7.4-13.4	-0.243	-0.122	-0.228
18	23.9- 0.4	-0.230	-0.017	-0.199	24-25	7.5-11.9	-0.250	-0.138	-0.256
21	1.1- 2.6	-0.219	-0.043	-0.142	25-26	7.5-13.8	-0.282	-0.139	-0.398
21-22	4.8-10.1	-0.237	-0.078	-0.169	27	10.4-14.2	-0.254	-0.150	-0.334
22	1.4- 3.7	-0.234	-0.010	-0.180	27-28	7.2-13.4	-0.268	-0.132	-0.293
22-23	4.8-10.2	-0.230	-0.087	-0.165	30-31	7.5-14.5	-0.231	-0.104	-0.278
23	3.8-10.2	-0.245	-0.045	-0.126	31- 1	10.0-14.8	-0.235	-0.115	-0.297
24	1.0- 5.0	-0.219	+0.026	-0.129	Sept. 1- 2	12.5-15.6	-0.244	-0.138	-0.187
25	4.8- 6.5	-0.245	-0.083	-0.146	2- 3	7.5-16.6	-0.224	-0.068	-0.202
27-28	4.8-14.2	-0.258	-0.065	-0.213	3- 4	7.2-13.8	-0.197	-0.025	-0.278
28-29	5.2-12.2	-0.208	-0.010	-0.139	4	17.5-19.2	-0.229	-0.093	-0.278
29-30	5.4-10.2	-0.226	-0.052	-0.246	5	17.3-19.2	-0.227	-0.111	-0.088
30-31	5.3-10.3	-0.264	-0.102	-0.224	6	18.0-20.2	-0.237	-0.159	-0.103
Aug. 1- 2	5.3-13.4	-0.256	-0.098	-0.271	6- 7	8.6-14.2	-0.263	-0.182	-0.182
2- 3	5.5-13.4	-0.269	-0.110	-0.255	7	20.4-21.4	-0.260	-0.200	-0.298
5- 6	6.1-16.0	-0.241	-0.054	-0.269	7- 8	7.5-14.2	-0.263	-0.264	-0.254
6- 7	5.8-17.3	-0.249	-0.083	-0.217	8	19.2-22.5	-0.267	-0.268	-0.341
8	17.5-18.3	-0.227	-0.040	-0.231	8- 9	8.7-14.8	-0.267	-0.212	-0.309
8- 9	6.3-13.3	-0.216	-0.057	-0.181	9	19.3-22.8	-0.291	-0.203	-0.396
9-10	6.3-11.7	-0.249	-0.102	-0.215	9-10	8.7-13.8	-0.270	-0.196	-0.249
10-11	6.3-13.4	-0.242	-0.114	-0.262	10	22.0-23.4	-0.240	-0.132	-0.179
11-12	6.1-22.0	-0.256	-0.128	-0.234	10-11	9.0-13.4	-0.247	-0.138	-0.177
12-13	5.8-12.0	-0.222	-0.060	-0.274	13	22.2- 1.8	-0.283	-0.181	-0.319
13	22.3-23.0	-0.222	-0.060	-0.316	14	11.5-14.7	-0.284	-0.168	-0.328
13-14	5.8-13.4	-0.254	-0.120	-0.262	14	21.3- 2.6	-0.258	-0.148	-0.320
14	23.4- 1.4	-0.254	-0.120	-0.186	15	22.0- 3.7	-0.238	-0.113	-0.158
15	6.1- 7.6	-0.251	-0.110	-0.246	15-16	9.4-14.7	-0.252	-0.123	-0.258
16	1.0- 1.8	-0.251	-0.110	-0.223	17	4.9- 5.5	-0.203	-0.102	-0.390
16-17	6.5-13.4	-0.226	-0.058	-0.174	17-18	9.4-14.2	-0.204	-0.065	-0.347

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	s	s	s	1897.	h h	s	s	s
Sept. 18	20. 9-23. 2	-0.177	-0.032	-0.474	Oct. 14-15	11. 1-14. 8	-0.204	-0.107	-0.314
18	5. 8- 6. 5	-0.188	-0.048	-0.385	15	22. 0- 6. 0	-0.183	-0.123	-0.200
19	4. 8- 6. 9	-0.195	-0.023	-0.346	15-16	11. 1-15. 2	-0.203	-0.113	-0.253
20	11. 9-14. 2	-0.174	-0.001	-0.308	16	0. 1- 6. 6	-0.209	-0.125	-0.151
20	7. 5- 8. 7	-0.163	-0.019	-0.461	17	5. 3- 7. 6	-0.080	0.000	-0.302
20-21	9. 7-12. 9	-0.163	-0.013	-0.452	18	0. 4- 1. 4	-0.151	+0.054	-0.293
21-22	8. 4-14. 2	-0.182	-0.073	-0.358	29-30	13. 4-19. 5	-0.142	+0.098	-0.330
23-24	9. 4-14. 2	-0.171	-0.102	-0.344	31	20. 2-21. 1	-0.149	+0.040	-0.330
24-25	9. 4-14. 2	-0.239	-0.141	-0.401	Nov. 2	21. 4- 6. 5	-0.182	-0.047	-0.293
26-27	9. 4-14. 2	-0.208	-0.111	-0.362	2- 3	11. 2-16. 5	-0.131	-0.006	-0.131
27-28	9. 7-13. 8	-0.187	-0.086	-0.403	3	22. 2- 6. 3	-0.120	+0.022	-0.055
28-29	8. 7-15. 2	-0.167	-0.032	-0.284	3- 4	12. 2-16. 0	-0.175	-0.033	-0.213
29-30	9. 7-14. 2	-0.155	-0.071	-0.189	4	23. 0- 5. 5	-0.144	+0.024	-0.156
30	0. 1- 1. 4	-0.217	-0.158	-0.424	4- 5	13. 4-17. 5	-0.146	+0.012	-0.166
30- 1	9. 7-17. 5	-0.147	-0.148	-0.245	5	23. 9- 6. 1	-0.163	-0.036	-0.086
Oct. 1	21. 7-22. 3	-0.226	-0.227	-0.354	5- 6	12. 9-16. 4	-0.177	-0.052	-0.294
2	1. 0- 2. 0	-0.171	-0.070	-0.470	6	1. 0- 5. 5	-0.139	+0.031	-0.322
3	18. 8- 1. 4	-0.176	-0.009	-0.350	9	3. 1- 6. 3	-0.136	+0.035	-0.145
3- 4	10. 0-14. 7	-0.160	-0.041	-0.401	9-10	13. 8-19. 0	-0.091	+0.049	-0.132
4	20. 4-20. 9	-0.160	-0.071	-0.408	10	4. 2- 5. 8	-0.096	+0.065	-0.064
4- 5	10. 2-14. 2	-0.227	-0.092	-0.372	11	4. 8- 5. 5	-0.103	+0.083	+0.156
5	20. 8- 1. 4	-0.184	-0.122	-0.388	12	5. 3- 6. 5	-0.062	+0.134	-0.080
5- 6	10. 2-15. 5	-0.168	-0.169	-0.330	12-13	12. 2-18. 8	-0.083	+0.102	+0.049
6	21. 4- 1. 4	-0.184	-0.185	-0.368	13	4. 5-10. 0	-0.046	+0.120	+0.052
6- 7	11. 7-15. 5	-0.187	-0.099	-0.355	14	13. 4-14. 7	-0.087	+0.075	-0.034
7	22. 6- 1. 4	-0.178	-0.068	-0.422	15-16	12. 8-17. 2	-0.130	-0.020	-0.148
7- 8	10. 2-14. 7	-0.140	-0.019	-0.291	16	8. 9-10. 2	-0.108	+0.036	-0.197
8- 9	10. 2-15. 7	-0.188	-0.055	-0.376	16-17	12. 2-18. 1	-0.069	+0.122	-0.162
9	21. 9- 1. 7	-0.196	-0.096	-0.399	17	5. 0-10. 7	-0.046	+0.218	+0.039
11	0. 6- 2. 2	-0.205	-0.118	-0.276	17-18	12. 8-18. 8	-0.062	+0.165	+0.029
12	0. 1- 3. 8	-0.200	-0.093	-0.200	18	4. 9-11. 7	-0.041	+0.132	-0.089
12-13	9. 8-15. 7	-0.185	-0.103	-0.225	18-19	13. 3-17. 5	-0.094	+0.061	-0.054
13	0. 6- 4. 5	-0.199	-0.105	-0.240	19	4. 9- 5. 5	-0.081	+0.046	+0.034
13-14	11. 5-14. 7	-0.184	-0.079	-0.320	19-20	12. 0-18. 3	-0.061	+0.081	+0.038
14	0. 1- 5. 5	-0.197	-0.087	-0.376	20	4. 9- 6. 0	-0.125	-0.012	-0.069

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	s	s	s	1897.	h h	s	s	s
Nov. 20	10. 7-13. 4	-0.087	+0.010	-0.026	Dec. 17-18	15. 2-19. 0	-0.010	+0.179	+0.128
22	13. 3-15. 6	-0.090	+0.113	-0.052	18	13. 1-14. 2	-0.025	+0.205	+0.128
23	5. 0- 6. 3	-0.161	+0.141	-0.021	23	3. 7- 6. 3	-0.011	+0.235	+0.287
23-24	13. 3-19. 3	-0.016	+0.205	+0.034	23-24	15. 7-19. 8	+0.055	+0.240	+0.298
24	4. 8- 6. 3	-0.008	+0.106	+0.012	24	4. 7- 6. 1	+0.039	+0.247	+0.319
26-27	12. 9-20. 2	-0.053	+0.11	+0.118	26-27	15. 7-22. 2	+0.023	+0.226	+0.358
27	4. 2- 6. 9	-0.077	+0.11	-0.099	27	5. 0- 6. 1	-0.005	+0.220	+0.394
29	21. 1-21. 8	-0.067	+0.118	+0.129	27-28	15. 5-23. 0	+0.008	+0.210	+0.185
29	4. 8- 6. 1	-0.045	+0.118	+0.079	28	4. 2- 6. 1	+0.001	+0.236	+0.173
29-30	13. 4-18. 8	-0.050	+0.138	+0.092	28-29	16. 9-21. 7	+0.025	+0.252	+0.422
30	21. 4-22. 6	-0.050	+0.138	+0.126	29-30	15. 7-21. 5	+0.002	+0.223	+0.312
30	4. 8- 6. 3	-0.028	+0.164	+0.210	30	0. 1- 6. 1	-0.009	+0.200	+0.304
30-1	13. 4-19. 8	-0.055	+0.173	+0.293	1898.				
Dec. 1	23. 0- 1. 4	-0.045	+0.159	+0.296	Jan. 3	3. 7- 6. 1	0.000	+0.229	+0.396
1	5. 0- 6. 3	-0.045	+0.159	+0.293	3-4	16. 2-22. 0	+0.003	+0.261	+0.383
1-2	13. 3-19. 8	-0.069	+0.106	+0.209	4	4. 5- 6. 1	-0.002	+0.252	+0.372
5-6	14. 2-19. 0	-0.060	+0.147	+0.134	4-5	15. 7-21. 3	+0.014	+0.215	+0.361
6	1. 4- 3. 7	-0.064	+0.132	+0.260	5	5. 0- 6. 1	-0.007	+0.194	+0.218
6-7	14. 2-19. 8	-0.078	+0.121	+0.173	6-7	16. 4-22. 0	+0.015	+0.256	+0.182
7	3. 7- 6. 1	-0.033	+0.115	+0.345	7	5. 3- 7. 8	-0.008	+0.247	+0.229
7-8	15. 5-22. 5	-0.040	+0.127	+0.158	7-8	18. 6-23. 0	0.000	+0.244	+0.258
8	1. 4- 5. 4	-0.039	+0.106	+0.158	8	4. 8- 8. 7	-0.036	+0.234	+0.175
8-9	14. 2-19. 8	-0.023	+0.124	+0.242	12-13	18. 1-22. 0	-0.032	+0.172	+0.160
9	4. 9- 6. 3	-0.050	+0.120	+0.161	13	5. 0- 8. 1	-0.011	+0.247	+0.131
9-10	16. 4-19. 8	-0.054	+0.081	+0.099	16	13. 4-16. 0	+0.012	+0.305	+0.193
10	4. 9- 6. 1	-0.030	+0.090	+0.044	16-17	16. 9-20. 0	-0.032	+0.276	+0.153
11	17. 3-21. 1	-0.067	+0.074	+0.143	17	4. 8- 7. 5	-0.026	+0.280	+0.263
11	1. 0- 1. 7	-0.040	+0.104	+0.122	17-18	16. 3-22. 9	+0.007	+0.307	+0.277
12	7. 4- 9. 0	-0.034	+0.141	+0.213	18	4. 8- 7. 7	+0.011	+0.258	+0.264
15	1. 3- 6. 0	-0.023	+0.169	+0.160	20	4. 8- 7. 7	-0.003	+0.254	+0.290
15	11. 0-13. 4	-0.031	+0.196	+0.178	21	5. 0- 7. 8	-0.034	+0.212	+0.207
15-16	15. 5-20. 3	-0.034	+0.170	+0.124	23-24	17. 5-22. 5	-0.021	+0.252	+0.151
16	1. 4- 5. 8	-0.048	+0.108	+0.079	24	5. 0- 7. 8	+0.006	+0.293	+0.235
16	11. 2-13. 4	-0.053	+0.132	-0.002					
17	12. 5-13. 4	-0.014	+0.180	+0.057					

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	s	s	s	1898.	h h	s	s	s
Jan. 25-26	19. 8- 2. 0	-0.002	+0.230	+0.170	Feb. 27-28	19. 7- 5. 3	+0.008	+0.282	+0.316
26	5. 0- 7. 8	-0.028	+0.230	+0.201	28	12. 2-13. 4	-0.006	+0.246	+0.414
26-27	17. 7- 2. 1	-0.045	+0.244	+0.212	28- 1	19. 3- 2. 0	+0.038	+0.285	+0.314
27	4. 5- 7. 7	-0.034	+0.239	+0.208	Mar. 1	5. 3-14. 2	-0.027	+0.209	+0.206
27-28	17. 5- 2. 0	-0.008	+0.284	+0.289	2	6. 3-13. 4	+0.013	+0.239	+0.284
28	5. 0- 6. 3	+0.005	+0.268	+0.294	2- 3	19. 7- 1. 8	-0.032	+0.234	+0.256
29	20. 8	-0.039	+0.25	+0.228	3	7. 5- 8. 5	+0.011	+0.284	+0.278
29	1. 1- 6. 9	-0.025	+0.244	+0.177	4	8. 5-13. 4	+0.016	+0.255	+0.286
30	1. 4- 3. 8	+0.013	+0.291	+0.281	4- 5	19. 3- 2. 6	+0.004	+0.229	+0.230
Feb. 2	5. 8- 7- 2	+0.075	+0.339	+0.527	5	8. 7-13. 4	-0.011	+0.229	+0.150
2	18. 1- 0. 1	+0.008	+0.281	+0.423	6	9. 0-10. 7	+0.016	+0.207	+0.255
3	5. 3- 7. 4	+0.037	+0.311	+0.500	7	23. 2- 2. 0	-0.013	+0.195	+0.247
3- 4	17. 7-22. 8	+0.059	+0.283	+0.559	7	10. 7-13. 4	-0.013	+0.180	+0.120
4	4. 8- 8. 5	+0.032	+0.281	+0.590	7- 8	20. 9- 2. 0	-0.048	+0.154	+0.146
5	6. 5-10. 2	+0.037	+0.307	+0.350	8	11. 7-13. 5	-0.039	+0.129	+0.256
6	5. 0- 9. 8	+0.022	+0.265	+0.415	9	23. 3- 2. 6	-0.069	+0.121	+0.104
6- 7	18. 1-23. 0	+0.057	+0.311	+0.500	9	12. 0-13. 4	-0.011	+0.156	+0.143
7	4. 8-10. 7	+0.015	+0.250	+0.368	10	12. 3-14. 2	-0.048	+0.106	+0.126
8	5. 0-11. 7	-0.003	+0.232	+0.316	12	11. 7-16. 0	-0.054	+0.088	+0.168
8- 9	19. 7- 1. 4	-0.008	+0.231	+0.326	13	15. 9-17. 3	-0.044	+0.158	-0.052
9	11. 5-13. 8	+0.007	+0.255	+0.301	13-14	20. 5- 2. 0	-0.048	+0.097	+0.002
9-10	19. 0- 0. 6	+0.016	+0.239	+0.308	14	17. 3-18. 1	-0.048	+0.148	-0.057
10	12. 3-13. 5	-0.041	+0.179	+0.229	14-15	20. 3- 1. 4	-0.058	+0.132	+0.006
10-11	18. 6- 1. 4	+0.020	+0.191	+0.209	17	23. 8- 2. 0	-0.041	+0.066	+0.045
13	13. 4-16. 4	-0.002	+0.284	+0.117	17	12. 0-13. 4	-0.067	+0.110	+0.004
13-14	19. 0- 1. 4	-0.017	+0.255	+0.243	19	23. 9- 3. 7	-0.069	+0.042	+0.037
15-16	18. 1- 1. 4	+0.027	+0.330	+0.197	19	12. 0-13. 4	-0.098	+0.077	-0.024
16	12. 2-13. 4	+0.046	+0.368	+0.325	24-25	21. 7- 2. 0	-0.065	+0.094	+0.022
16-17	18. 8- 1. 4	+0.001	+0.330	+0.283	25	12. 2-13. 4	-0.065	+0.106	0.000
22-23	18. 8- 1. 4	+0.041	+0.273	+0.350	31	0. 7- 3. 8	-0.056	+0.113	+0.023
23	12. 0-13. 4	+0.029	+0.277	+0.363	31	8. 1-13. 3	-0.056	+0.085	+0.129
23-24	19. 7- 2. 0	-0.015	+0.224	+0.308	31- 1	22. 6- 3. 8	-0.042	+0.151	+0.037
25-26	19. 8- 3. 8	-0.025	+0.230	+0.240	Apr. 1	9. 0-13. 4	-0.042	+0.109	+0.100
26	11. 7-14. 2	0.003	+0.281	+0.284	1- 2	21. 4- 3. 8	-0.056	+0.090	+0.104
27	1. 1- 4. 2	+0.007	+0.235	+0.310	2	9. 0-13. 5	-0.056	+0.090	+0.063

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	s	s	s	1898.	h h	s	s	s
Apr. 3	10. 1-11. 4	-0.033	+0.149	+0.067	May 10	11. 7-20. 5	-0.125	-0.033	-0.124
5	11. 7-13. 4	-0.035	+0.172	-0.019	11	11. 7-21. 7	-0.126	+0.006	-0.135
5-6	21. 4- 4. 5	-0.009	+0.208	+0.189	11-12	1. 4- 5. 5	-0.124	-0.023	-0.123
6	12. 0-17. 3	+0.007	+0.208	+0.214	12	15. 9-16. 6	-0.153	-0.015	-0.182
6-7	23. 0- 4. 5	-0.018	+0.177	+0.222	12-13	1. 1- 5. 5	-0.126	-0.020	-0.189
7	12. 0-16. 7	-0.040	+0.100	+0.174	13	12. 0-16. 6	-0.118	-0.015	-0.147
7-8	22. 5- 3. 0	-0.021	+0.076	+0.124	13	22. 5-23. 0	-0.133	+0.005	-0.147
8	12. 2-16. 7	-0.051	+0.090	+0.110	13-14	0. 1- 5. 8	-0.148	-0.035	-0.210
8-9	0. 1- 5. 2	-0.067	+0.058	+0.032	15-16	1. 4- 5. 8	-0.144	-0.067	-0.193
9	11. 5-16. 7	-0.098	+0.061	+0.037	16	15. 9-16. 9	-0.159	-0.052	-0.199
11-12	21. 7- 4. 5	-0.089	+0.054	-0.037	16-17	1. 1- 5. 5	-0.156	-0.026	-0.230
12	11. 7-20. 2	-0.078	+0.080	-0.046	17	11. 7-16. 9	-0.133	+0.019	-0.192
12-13	22. 0- 4. 8	-0.113	-0.036	-0.049	17-18	1. 1- 5. 5	-0.126	+0.014	-0.185
15-16	22. 0- 5. 5	-0.076	+0.059	-0.051	18	13. 1-16. 9	-0.136	+0.003	-0.162
16	11. 5-17. 2	-0.098	+0.106	-0.106	18-19	0. 6- 5. 8	-0.178	-0.088	-0.206
17	12. 0-16. 9	-0.078	+0.046	-0.068	19	15. 9-16. 9	-0.183	-0.090	-0.181
17-18	0. 1- 5. 3	-0.120	-0.024	-0.117	19-20	0. 1- 7. 7	-0.180	-0.124	-0.122
19-20	23. 0- 5. 3	-0.153	+0.028	-0.252	23-24	1. 1- 7. 7	-0.155	-0.042	-0.178
20	11. 2-13. 5	-0.118	+0.159	-0.154	24	13. 4-16. 9	-0.168	-0.023	-0.220
20-21	23. 0- 5. 2	-0.094	+0.095	-0.153	24-25	1. 1- 9. 7	-0.169	-0.003	-0.171
21	11. 7-16. 7	-0.111	+0.074	-0.163	25	15. 9-16. 9	-0.188	-0.022	-0.241
26-27	0. 1- 2. 4	-0.149	+0.035	-0.198	26-27	3. 8-10. 5	-0.216	-0.030	-0.303
27	12. 0-13. 4	-0.109	+0.120	-0.102	27	13. 1-16. 5	-0.190	-0.043	-0.216
28	11. 7-13. 4	-0.071	+0.168	-0.051	27-28	1. 1- 7. 7	-0.192	-0.076	-0.164
29	9. 4- 9. 8	-0.075	+0.094	-0.060	28	10. 1-16. 5	-0.184	-0.072	-0.165
29-30	0. 1- 5. 8	-0.078	+0.063	-0.061	30	12. 2-16. 5	-0.187	-0.047	-0.206
30	9. 7-16. 9	-0.094	+0.024	-0.090	30-31	1. 1- 6. 7	-0.184	-0.027	-0.184
May 1	10. 5-16. 9	-0.133	-0.026	-0.187	31	12. 2-16. 5	-0.194	-0.017	-0.199
2	11. 7-13. 4	-0.150	-0.012	-0.168	31-1	1. 1- 7. 2	-0.185	-0.019	-0.172
3	2. 7- 7. 7	-0.169	-0.015	-0.229	June 1	13. 1-16. 5	-0.180	-0.042	-0.137
3	12. 0-12. 2	-0.154	+0.015	-0.223	2-3	1. 4- 6. 8	-0.224	-0.072	-0.261
8	18. 0-18. 9	-0.094	+0.143	-0.170	3	13. 1-16. 9	-0.210	-0.045	-0.226
8-9	0. 1- 5. 5	-0.085	+0.091	-0.167	5	15. 9-19. 2	-0.197	-0.024	-0.228
9	11. 5-19. 2	-0.126	+0.012	-0.111	5-6	1. 4- 7. 5	-0.223	-0.092	-0.216
9-10	0. 1- 5. 3	-0.138	-0.047	-0.123	6	13. 4-20. 0	-0.215	-0.095	-0.197

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h li	s	s	s	1898.	h li	s	s	s
June 6-7	1.4- 7.7	-0.226	-0.120	-0.289	July 1-2	3.7-10.2	-0.301	-0.218	-0.140
7	15.9-20.8	-0.208	-0.100	-0.272	2	17.0-19.2	-0.290	-0.160	-0.231
7-8	1.4- 7.6	-0.213	-0.106	-0.197	3	13.4-19.5	-0.298	-0.156	-0.174
8	21.4-22.6	-0.194	-0.029	-0.240	6-7	4.5-10.1	-0.261	-0.044	-0.212
8-9	3.0- 7.7	-0.209	-0.142	-0.174	7	22.8-23.6	-0.258	-0.064	-0.212
9	13.4-23.0	-0.219	-0.076	-0.356	7-8	4.5-10.4	-0.243	-0.079	-0.242
9-10	2.6- 7.7	-0.245	-0.126	-0.253	8	0.0- 1.4	-0.256	-0.095	-0.200
10	13.1-16.5	-0.236	-0.133	-0.338	9	7.2-11.1	-0.252	-0.105	-0.161
10-11	5.3- 7.7	-0.243	-0.106	-0.229	9	0.1- 1.4	-0.247	-0.038	-0.223
11	13.1- 1.4	-0.245	-0.122	-0.208	10	13.4-13.8	-0.250	-0.074	-0.221
12	0.1- 2.0	-0.233	-0.093	-0.236	10	1.1- 2.0	-0.182	+0.013	-0.237
12-13	2.6- 5.8	-0.236	-0.138	-0.176	10-11	4.2-16.5	-0.228	-0.042	-0.217
13	13.4-17.0	-0.244	-0.090	-0.245	15-16	5.2-11.1	-0.254	-0.166	-0.220
13-14	1.1- 7.7	-0.249	-0.149	-0.203	17-18	4.8-10.4	-0.281	-0.172	-0.202
14	13.4-17.0	-0.256	-0.139	-0.239	19-20	4.5-11.1	-0.306	-0.168	-0.255
14-15	1.8- 7.6	-0.237	-0.069	-0.195	20-21	4.8- 9.7	-0.309	-0.204	-0.257
19-20	3.0- 9.7	-0.204	-0.054	-0.313	23	11.5-13.4	-0.270	-0.163	-0.271
20	12.9-17.0	-0.236	-0.101	-0.258	23	1.4- 1.7	-0.270	-0.129	-0.321
21	13.4-17.0	-0.235	-0.042	-0.423	25	8.3-13.4	-0.262	-0.157	-0.223
21-22	3.0- 9.7	-0.190	-0.026	-0.241	25-26	5.5-10.0	-0.305	-0.206	-0.262
22	13.4-16.7	-0.203	-0.036	-0.238	27-28	7.5-11.1	-0.277	-0.188	-0.248
22-23	3.7- 9.6	-0.210	-0.040	-0.302	28	15.9-16.5	-0.274	-0.180	-0.310
23	13.4-17.0	-0.216	-0.092	-0.271	28-29	5.8-11.2	-0.268	-0.168	-0.179
23-24	3.7-10.4	-0.202	-0.111	-0.208	29	17.2-18.1	-0.272	-0.194	-0.196
24	15.9-18.1	-0.227	-0.144	-0.263	29-30	5.3-11.3	-0.291	-0.191	-0.220
24-25	3.0-13.4	-0.255	-0.189	-0.207	30	18.1-19.2	-0.260	-0.179	-0.204
26-27	3.7- 8.8	-0.274	-0.166	-0.186	31- 1	5.8-13.4	-0.318	-0.235	-0.272
27	12.8-17.0	-0.257	-0.175	-0.200	Aug. 1	20.2- 1.4	-0.287	-0.196	-0.362
27-28	3.0- 7.7	-0.251	-0.159	-0.254	1- 2	5.8-11.7	-0.265	-0.159	-0.298
28-29	3.8-10.2	-0.266	-0.094	-0.243	3	8.9-13.4	-0.313	-0.209	-0.258
29	14.5-17.0	-0.242	-0.104	-0.251	3	22.5- 1.4	-0.284	-0.168	-0.216
29-30	3.7- 9.4	-0.270	-0.134	-0.237	3- 4	5.8-12.2	-0.295	-0.213	-0.226
30	15.8-16.5	-0.259	-0.145	-0.227	4- 5	7.2-13.4	-0.258	-0.122	-0.276
30- 1	3.8-10.1	-0.272	-0.156	-0.162	5	0.5- 1.4	-0.252	-0.094	-0.275
July 1	16.4-18.1	-0.278	-0.157	-0.180	6	9.1-13.4	-0.245	-0.132	-0.268

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	s	s	s	1898.	h h	s	s	s
Aug. 6	23.9-1.8	-0.285	-0.175	-0.300	Sept. 8-9	10.0-14.7	-0.215	-0.114	-0.227
7	1.8-2.6	-0.254	-0.160	-0.250	9-10	6.5-14.2	-0.251	-0.138	-0.232
7-8	7.2-9.3	-0.279	-0.200	-0.218	10	6.5-9.7	-0.201	-0.103	-0.325
8	3.0-3.2	-0.259	-0.133	-0.233	11-12	8.7-14.2	-0.238	-0.132	-0.329
15-16	6.5-14.2	-0.277	-0.192	-0.252	12	23.6-1.4	-0.215	-0.125	-0.367
16-17	7.5-13.4	-0.263	-0.187	-0.215	12-13	10.2-14.5	-0.195	-0.128	-0.254
17-18	7.2-14.2	-0.270	-0.173	-0.258	16	20.2-0.1	-0.226	-0.227	-0.329
19-20	7.5-14.2	-0.286	-0.163	-0.272	16-17	9.8-14.7	-0.238	-0.239	-0.304
21	11.7-14.5	-0.225	-0.112	-0.236	17	20.2-0.1	-0.239	-0.240	-0.371
21-22	7.5-14.0	-0.254	-0.176	-0.216	18-19	9.4-14.8	0.221	-0.154	-0.351
22-23	7.2-14.7	-0.290	-0.246	-0.245	19	20.2-0.1	-0.256	-0.215	-0.363
23-24	7.2-16.4	-0.297	-0.212	-0.204	20	11.8-14.7	-0.255	-0.161	-0.303
24	1.0-1.8	-0.315	-0.225	-0.271	20	23.6-1.4	-0.258	-0.139	-0.478
25-26	7.2-14.2	-0.258	-0.136	-0.251	21	11.9-14.8	-0.220	-0.078	-0.340
26	18.0-18.3	-0.274	-0.195	-0.282	21	23.6-1.4	-0.207	-0.065	-0.320
26-27	7.6-14.2	-0.278	-0.142	-0.268	23	12.1-15.2	-0.210	-0.140	-0.243
27	18.8-19.5	-0.287	-0.156	-0.316	23	18.5-23.6	-0.224	-0.166	-0.290
28	20.8-21.3	-0.266	-0.141	-0.316	23-24	9.4-15.0	-0.235	-0.149	-0.314
29-30	7.2-14.2	-0.238	-0.147	-0.226	24	19.7-1.4	-0.246	-0.152	-0.342
30	19.0-22.0	-0.259	-0.167	-0.269	25	20.4-21.7	-0.231	-0.120	-0.301
30-31	7.2-14.2	-0.298	-0.212	-0.260	26	12.2-15.5	-0.240	-0.150	-0.292
31	22.8-1.4	-0.288	-0.184	-0.270	26	21.5-22.8	-0.229	-0.150	-0.301
31-1	7.2-14.7	-0.199	-0.115	-0.118	26-27	10.0-15.7	-0.209	-0.114	-0.355
Sept. 1	23.4-1.7	-0.259	-0.163	-0.194	27	22.3-23.0	-0.255	-0.152	-0.404
1-2	7.2-13.8	-0.296	-0.223	-0.266	27-28	9.4-15.8	-0.219	-0.074	-0.315
2	0.4-1.4	-0.258	-0.166	-0.187	28	23.0-1.4	-0.221	-0.104	-0.350
2-3	7.2-14.5	-0.284	-0.211	-0.203	28-29	9.7-15.3	-0.241	-0.142	-0.310
3	1.4-2.1	-0.295	-0.163	-0.248	29	0.1-1.4	-0.230	-0.142	-0.305
5	2.9-3.8	-0.258	-0.130	-0.263	29-30	10.0-15.4	-0.198	-0.118	-0.254
5-6	9.4-14.2	-0.270	-0.196	-0.208	30	1.0-1.7	-0.226	-0.150	-0.322
6	4.2-5.3	-0.290	-0.171	-0.263	30-1	9.7-14.2	-0.245	-0.150	-0.325
6-7	9.7-13.4	-0.268	-0.188	-0.211	Oct. 5	5.3-6.3	-0.220	-0.142	-0.307
7	5.2-5.4	-0.210	-0.074	-0.336	5-6	11.1-15.8	0.230	-0.127	-0.295
7-8	8.7-14.2	-0.242	-0.081	-0.283	6	23.6-1.4	-0.230	-0.084	-0.313
8	5.8-6.7	-0.226	-0.079	-0.278	6	6.3-7.5	-0.230	-0.084	-0.380

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants*—Continued.

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	s	s	s	1898.	h h	s	s	s
Oct. 6-7	10. 2-15. 9	-0. 208	-0. 093	-0. 316	Nov. 3-4	12. 9-17. 2	-0. 164	-0. 023	-0. 204
9-10	10. 2-15. 9	-0. 222	-0. 095	-0. 320	4	5. 5- 8. 4	-0. 128	-0. 013	-0. 197
10-11	10. 1-16. 0	-0. 200	-0. 078	-0. 312	4-5	14. 2-17. 5	-0. 153	-0. 050	-0. 169
11-12	10. 2-16. 4	-0. 222	-0. 088	-0. 359	6	9. 4-10. 7	-0. 156	+0. 042	-0. 234
12	1. 0- 1. 4	-0. 223	-0. 072	-0. 374	6-7	12. 2-17. 2	-0. 158	+0. 024	-0. 281
12-13	11. 1-16. 4	-0. 176	-0. 021	-0. 322	7	1. 1- 6. 0	-0. 124	+0. 012	-0. 249
13	1. 0- 1. 4	-0. 194	-0. 099	-0. 314	7-8	12. 9-17. 7	-0. 073	+0. 097	-0. 170
14-15	10. 2-16. 4	-0. 191	-0. 024	-0. 387	8-9	10. 5-17. 7	-0. 103	+0. 044	-0. 168
16-17	11. 1-16. 4	-0. 172	-0. 019	-0. 315	10-11	13. 3-21. 3	-0. 155	-0. 050	-0. 253
18-19	11. 1-17. 7	-0. 188	-0. 074	-0. 361	11	5. 3- 5. 8	-0. 113	+0. 076	-0. 169
19	1. 1- 6. 0	-0. 174	-0. 070	-0. 253	11-12	12. 5-21. 8	-0. 096	+0. 109	-0. 167
19-20	11. 1-18. 6	-0. 173	-0. 050	-0. 264	12	5. 0- 6. 0	-0. 101	+0. 067	-0. 132
20	1. 0- 6. 0	-0. 186	-0. 102	-0. 347	14	20. 5-21. 3	-0. 133	-0. 018	-0. 136
21-22	13. 3-16. 9	-0. 145	-0. 034	-0. 292	14	5. 3- 5. 8	-0. 155	-0. 013	-0. 127
22	20. 2-20. 8	-0. 190	-0. 034	-0. 366	14-15	12. 9-21. 5	-0. 113	+0. 042	-0. 141
22	5. 0- 6. 0	-0. 175	-0. 007	-0. 299	15	1. 0- 1. 7	-0. 158	+0. 010	-0. 128
23	20. 8-22. 0	-0. 140	-0. 004	-0. 252	18-19	14. 2-21. 5	-0. 123	-0. 011	-0. 081
23-24	11. 1-16. 6	-0. 165	-0. 029	-0. 191	19	5. 0- 5. 6	-0. 135	-0. 003	-0. 102
24	22. 2- 6. 0	-0. 169	-0. 077	-0. 294	20	21. 1-22. 8	-0. 135	+0. 026	-0. 164
24-25	11. 1-15. 7	-0. 139	-0. 008	-0. 164	20-21	13. 4-21. 5	-0. 101	+0. 087	-0. 071
25	5. 3- 6. 3	-0. 193	-0. 104	-0. 127	21	22. 5- 5. 6	-0. 091	+0. 045	-0. 122
26	23. 4- 5. 6	-0. 160	-0. 042	-0. 256	22-23	14. 2-18. 3	-0. 110	+0. 084	-0. 115
26-27	11. 7-16. 9	-0. 159	+0. 024	-0. 261	24	1. 4- 6. 0	-0. 114	+0. 081	-0. 044
27	0. 4- 6. 0	-0. 123	+0. 092	-0. 186	24-25	13. 4-21. 5	-0. 094	+0. 071	+0. 004
27-28	11. 7-16. 8	-0. 135	+0. 032	-0. 204	25	1. 8- 2. 6	-0. 059	+0. 078	+0. 081
28	1. 4- 2. 0	-0. 115	-0. 004	-0. 203	27	3. 7- 5. 8	-0. 048	+0. 104	+0. 223
30	3. 1- 4. 5	-0. 107	+0. 008	-0. 228	29-30	14. 7-19. 0	-0. 033	+0. 104	+0. 196
30-31	11. 7-17. 7	-0. 137	-0. 020	-0. 189	30	5. 3- 9. 0	-0. 070	+0. 072	+0. 055
31	1. 4- 5. 6	-0. 115	+0. 047	-0. 229	30-1	13. 4-18. 3	-0. 143	-0. 036	+0. 113
31-1	11. 7-17. 2	-0. 140	-0. 010	-0. 172	Dec. 1	1. 0- 9. 0	-0. 073	+0. 034	+0. 043
Nov 1	5. 0- 6. 3	-0. 123	+0. 019	-0. 176	1-2	13. 3-16. 6	-0. 081	+0. 067	+0. 058
1-2	11. 7-16. 9	-0. 114	+0. 022	-0. 104	5	8. 5-10. 2	-0. 090	+0. 115	+0. 086
2	5. 0- 6. 5	-0. 120	-0. 005	-0. 173	6	8. 5-12. 0	-0. 091	+0. 118	+0. 034
2	11. 7-17. 5	-0. 146	-0. 049	-0. 169	6-7	14. 2-19. 7	-0. 077	+0. 135	+0. 077
3	1. 0- 7. 5	-0. 144	-0. 029	-0. 184	7	0. 6- 1. 4	-0. 080	+0. 101	+0. 152

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	s	s	s	1899.	h h	s	s	s
Dec. 7	8.5-13.4	-0.069	+0.140	+0.184	Jan. 10-11	16.0-22.0	+0.025	+0.210	+0.461
7-8	13.4-19.0	-0.075	+0.150	+0.104	14	1.4-8.5	-0.007	+0.163	+0.452
8	1.4-1.7	+0.061	+0.138	+0.098	14	13.4-13.5	-0.035	+0.143	+0.475
8	8.5-9.4	-0.027	+0.178	+0.217	18	1.7-2.1	-0.016	+0.152	+0.335
8-9	13.4-19.0	-0.030	+0.188	+0.137	19	1.4-8.5	-0.031	+0.154	+0.419
9-10	13.5-19.8	-0.043	+0.134	+0.244	19	13.4-13.5	-0.020	+0.146	+0.479
10	8.5-9.4	-0.040	+0.141	+0.232	19-20	17.0-21.7	-0.024	+0.179	+0.403
12-13	15.5-19.8	-0.080	+0.118	+0.119	20	3.2-5.5	-0.015	+0.153	+0.426
13	4.8-9.4	-0.016	+0.154	+0.100	20-21	17.1-23.0	-0.021	+0.168	+0.275
13-14	13.4-19.8	-0.005	+0.159	+0.399	21	4.2-7.8	-0.047	+0.116	+0.353
14	1.0-5.8	+0.001	+0.165	+0.330	22	1.4-6.0	-0.034	+0.126	+0.302
14-15	13.4-19.9	-0.018	+0.186	+0.368	22	13.1-13.8	-0.016	+0.163	+0.280
15	1.4-2.0	-0.030	+0.115	+0.330	23	0.6-1.4	-0.094	+0.070	+0.198
15	5.5-9.0	-0.055	+0.088	+0.308	23	5.3-8.0	-0.062	+0.109	+0.190
15-16	15.9-21.1	-0.039	+0.113	+0.300	24-25	17.3-22.0	-0.061	+0.112	+0.242
16	5.3-9.0	-0.030	+0.112	+0.310	25	1.0-1.4	-0.096	+0.077	+0.262
17	21.4-22.2	-0.046	+0.102	+0.244	25	5.3-8.5	-0.067	+0.084	+0.284
17	5.0-9.0	-0.055	+0.093	+0.233	25	13.1-13.4	-0.046	+0.113	+0.307
18	22.0-23.4	-0.032	+0.120	+0.283	25-26	18.6-23.0	-0.033	+0.151	+0.317
22-23	15.7-19.7	-0.071	+0.049	+0.077	26	4.8-9.7	-0.073	+0.110	+0.262
23	1.3-5.5	-0.042	+0.097	+0.100	26-27	17.4-23.0	-0.080	+0.105	+0.169
23	12.9-13.4	-0.043	+0.113	-0.089	27	5.3-7.9	-0.032	+0.169	+0.332
24	3.7-8.7	-0.045	+0.134	+0.112	29-30	17.2-23.0	-0.058	+0.133	+0.406
25	4.4-5.3	-0.048	+0.167	+0.138	30	0.1-1.4	-0.044	+0.147	+0.422
26	5.0-6.3	-0.052	+0.182	+0.176	31-1	17.5-1.7	+0.057	+0.250	+0.466
27	8.5-9.8	-0.056	+0.129	+0.089	Feb. 1	7.2-8.5	+0.057	+0.264	+0.504
27-28	15.7-21.7	-0.019	+0.193	+0.196	1	13.1-14.8	+0.057	+0.246	+0.639
29	5.0-9.4	-0.110	+0.031	+0.157	2	7.5-8.5	-0.023	+0.152	+0.593
29-30	15.9-19.8	-0.108	+0.010	+0.100	3	15.2-15.7	-0.009	+0.158	+0.515
1899.					3-4	17.9-23.0	-0.003	+0.169	+0.363
Jan. 6	14.7-15.7	-0.069	+0.064	+0.208	4	5.5-7.8	-0.032	+0.164	+0.392
6-7	16.0-20.6	-0.084	+0.058	+0.197	8-9	18.3-1.4	-0.012	+0.235	+0.509
7	5.3-7.8	-0.072	+0.087	+0.319	9	7.2-13.4	+0.052	+0.261	+0.621
7-8	15.5-17.7	-0.051	+0.146	+0.388	19-20	19.7-0.6	-0.009	+0.145	+0.447
10	5.0-8.7	-0.010	+0.164	+0.376	21	7.2-8.7	-0.037	+0.079	+0.318

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	s	s	s	1899.	h h	s	s	s
Feb. 22	7. 2- 7. 8	-0.033	+0.107	+0.206	Apr. 8	13. 8-14. 8	-0.050	+0.105	+0.223
22-23	19. 3-22. 5	-0.044	+0.072	+0.244	9-10	22. 8- 4. 5	-0.050	+0.093	+0.207
23-24	19. 3- 1. 8	-0.014	+0.143	+0.292	10	13. 4-14. 8	-0.075	+0.063	+0.148
24	7. 2-13. 4	-0.035	+0.151	+0.352	10-11	22. 9- 5. 0	-0.048	+0.085	+0.173
24-25	19. 5- 2. 0	-0.048	+0.156	+0.337	11	13. 4-14. 2	-0.062	+0.065	+0.182
25	7. 4-11. 2	-0.035	+0.156	+0.319	12	13. 8-15. 2	-0.052	+0.100	+0.150
27	7. 2-13. 1	-0.045	+0.132	+0.280	12-13	23. 1- 4. 8	-0.084	+0.042	+0.049
27-28	19. 3- 1. 1	-0.034	+0.142	+0.317	13	13. 5-15. 2	-0.106	+0.024	+0.049
28	7. 2- 8. 5	-0.028	+0.156	+0.296	16	6. 3- 7. 8	-0.075	+0.061	-0.026
Mar. 5	18. 0-19. 0	-0.039	+0.138	+0.233	16-17	23. 0- 8. 5	-0.093	+0.117	-0.008
5- 6	20. 2- 3. 3	-0.057	+0.099	+0.201	17	13. 4-16. 5	-0.117	+0.032	+0.010
15-16	20. 9- 3. 8	-0.094	+0.099	+0.181	17-18	0. 1- 4. 2	-0.083	+0.037	+0.061
16	13. 1-14. 8	-0.062	+0.178	+0.310	18	8. 8-16. 0	-0.118	+0.030	+0.028
16-17	21. 0- 5. 0	-0.075	+0.150	+0.213	18-19	23. 5- 7. 6	-0.103	+0.011	+0.033
20	7. 5- 8. 1	-0.024	+0.110	+0.250	19	9. 4-18. 0	-0.115	0.000	+0.008
20	14. 2-14. 8	+0.002	+0.158	+0.286	19-20	22. 9- 4. 8	-0.123	-0.121	+0.018
21	0. 0- 3. 0	+0.014	+0.215	+0.353	20	9. 8-15. 2	-0.118	-0.025	-0.039
22-23	21. 7- 3. 0	-0.030	+0.118	+0.298	20-21	23. 6- 5. 8	-0.127	-0.020	-0.012
23	9. 4-14. 8	-0.024	+0.152	+0.273	21	10. 5-16. 4	-0.114	+0.022	-0.112
23-24	21. 1- 2. 6	-0.003	+0.188	+0.286	21-22	23. 0- 5. 3	-0.140	-0.029	-0.017
24	10. 6-14. 8	+0.015	+0.198	+0.330	22	11. 5-16. 5	-0.115	-0.065	-0.103
25	14. 2-14. 8	0.000	+0.189	+0.371	23	12. 2-13. 3	-0.121	-0.060	-0.028
28-29	21. 4- 3. 8	+0.005	+0.182	+0.271	23-24	23. 0- 5. 2	-0.087	+0.001	+0.029
29	13. 1-15. 2	+0.014	+0.189	+0.356	24	13. 1-16. 5	-0.153	-0.100	-0.068
29-30	21. 4- 2. 0	-0.023	+0.137	+0.286	24-25	23. 0- 5. 8	-0.148	-0.149	-0.020
31- 1	21. 7- 3. 0	-0.045	+0.074	+0.152	26	11. 2-17. 5	-0.142	-0.070	-0.079
Apr. 1	14. 2-18. 5	-0.020	+0.144	+0.256	26-27	0. 1- 5. 3	-0.149	-0.150	-0.045
2- 3	21. 7- 3. 0	0.039	+0.158	+0.228	27	15. 9-16. 5	-0.161	-0.093	-0.208
3	13. 1-14. 8	0.000	+0.231	+0.301	27-28	0. 1- 5. 2	-0.105	+0.001	-0.054
4	0. 9- 5. 8	0.012	+0.198	+0.323	28	13. 1-17. 6	-0.159	-0.050	-0.116
4	14. 4-15. 3	-0.023	+0.179	+0.314	28-29	0. 1- 4. 5	-0.159	-0.077	-0.124
4- 5	20. 2- 3. 8	-0.002	+0.170	+0.275	29	13. 5-18. 7	-0.142	-0.074	-0.058
5	13. 1-15. 2	-0.018	+0.150	+0.269	30	18. 8-20. 5	-0.137	-0.057	-0.055
5- 6	22. 5- 3. 8	-0.016	+0.121	+0.271	30- 1	0. 1- 5. 5	-0.189	-0.153	-0.155
7	22. 5-23. 0	-0.076	+0.052	+0.202	May 1	13. 8-14. 8	-0.176	-0.124	-0.086

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	s	s	s	1899.	h h	s	s	s
May 1-2	0. 1- 5. 8	-0. 183	-0. 184	-0. 122	May 28-29	1. 8- 5. 5	-0. 156	-0. 258	-0. 079
2	13. 4-18. 1	-0. 192	-0. 127	-0. 118	29	20. 5-21. 5	-0. 195	-0. 151	-0. 138
3-4	0. 1- 5. 2	-0. 170	-0. 051	-0. 179	June 1-2	1. 8- 7. 1	-0. 197	-0. 198	-0. 190
4	13. 4-17. 7	-0. 118	-0. 001	-0. 073	2	13. 5-17. 5	-0. 192	-0. 144	-0. 146
8-9	0. 1- 5. 5	-0. 163	-0. 061	-0. 078	2-3	0. 1- 5. 8	-0. 197	-0. 146	-0. 154
9	12. 9-17. 7	-0. 177	-0. 044	-0. 148	3	13. 1-17. 2	-0. 211	-0. 163	-0. 154
9-10	1. 0- 5. 8	-0. 152	-0. 076	-0. 110	SIX-INCH TRANSIT CIRCLE.				
10	13. 8-14. 1	-0. 161	-0. 092	-0. 106	1899.				
11	3. 2- 5. 3	-0. 162	-0. 113	-0. 105	June 13	15. 8-17. 2	-0. 045	+0. 025	Values of <i>a</i> will be found in Table VIa, immediately following.
11	13. 8-17. 5	-0. 176	-0. 068	-0. 074	14	6. 5-11. 1	-0. 054	-0. 033	
11-12	0. 6- 6. 3	-0. 149	-0. 104	-0. 113	14	15. 8-18. 0	-0. 103	+0. 030	
12	13. 4	-0. 162	-0. 111	-0. 133	14	1. 1- 1. 4	-0. 110	-0. 040	
13	13. 5-17. 5	-0. 194	-0. 104	-0. 135	14-15	3. 0- 7. 7	-0. 126	+0. 017	
14	6. 5- 9. 4	-0. 136	-0. 054	-0. 133	15	13. 4-16. 9	-0. 080	+0. 065	
14-15	1. 1- 8. 7	-0. 157	-0. 058	-0. 115	15	1. 1- 1. 4	-0. 092	-0. 022	
15	13. 4-17. 5	-0. 172	-0. 077	-0. 194	15-16	4. 5- 7. 6	-0. 066	+0. 063	
15-16	1. 5- 5. 3	-0. 183	-0. 148	-0. 131	16	11. 7-17. 3	-0. 040	-0. 007	
16	14. 1-16. 4	-0. 179	-0. 110	-0. 147	16	1. 4- 2. 0	-0. 059	-0. 062	
18-19	1. 1- 5. 5	-0. 153	-0. 051	-0. 172	18	12. 5-15. 2	-0. 078	-0. 027	
19	13. 4-17. 5	-0. 137	-0. 021	-0. 160	18	1. 1- 1. 7	-0. 084	-0. 103	
19-20	1. 1- 6. 5	-0. 135	-0. 042	-0. 160	18-19	3. 0-10. 2	-0. 065	-0. 086	
20	12. 2-17. 4	-0. 154	-0. 047	-0. 116	19	13. 4-16. 5	-0. 173	+0. 134	
21	12. 5-13. 5	-0. 144	-0. 068	-0. 147	19	0. 6- 1. 4	-0. 169	-0. 099	
22	16. 5-17. 5	-0. 157	-0. 040	-0. 161	19-20	3. 8- 9. 4	-0. 113	+0. 080	
22-23	2. 0- 6. 5	-0. 137	-0. 040	-0. 057	20	13. 4-18. 8	-0. 173	+0. 108	
23	13. 8-17. 3	-0. 123	-0. 035	-0. 076	20	1. 1- 1. 4	-0. 123	+0. 036	
23-24	1. 4- 7. 5	-0. 125	-0. 047	-0. 054	21	13. 1-17. 3	-0. 077	+0. 088	
24	13. 1-18. 0	-0. 135	-0. 071	-0. 100	21	1. 1- 1. 7	-0. 124	+0. 023	
24-25	1. 1- 5. 3	-0. 136	-0. 137	-0. 087	21-22	3. 0- 9. 4	-0. 098	+0. 020	
25	13. 4-17. 5	-0. 131	-0. 076	-0. 088	22	13. 1-18. 0	-0. 110	+0. 056	
25-26	1. 1- 6. 5	-0. 144	-0. 101	-0. 147	22	1. 1- 1. 4	-0. 118	+0. 002	
26	13. 1-18. 5	-0. 144	-0. 145	-0. 190	22-23	4. 5- 7. 7	-0. 078	+0. 039	
26-27	2. 3- 5. 8	-0. 140	-0. 141	-0. 115	23	13. 1-18. 8	-0. 102	+0. 045	
27	13. 8-19. 8	-0. 185	-0. 186	-0. 139	23	1. 1- 1. 4	-0. 096	+0. 004	
28	16. 2-20. 5	-0. 182	-0. 183	-0. 113					

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	s	s	s	1899.	h h	s	s	s
June 23-24	4. 5-10. 1	-0. 050	+0. 009		July 14-15	4. 5- 7. 6	-0. 140	-0. 022	
24	13. 1-19. 9	-0. 074	+0. 093		16-17	4. 8-13. 4	-0. 124	+0. 028	
25	20. 4-21. 5	-0. 098	-0. 057		17	20. 2- 2. 0	-0. 114	-0. 071	
25-26	3. 8-10. 2	-0. 104	+0. 052		17-18	5. 2-11. 1	-0. 105	-0. 118	
26	13. 4-16. 5	-0. 102	+0. 044		18	15. 9-22. 3	-0. 098	-0. 048	
26	21. 7- 1. 4	-0. 112	+0. 005		18-19	5. 2-13. 4	-0. 116	-0. 074	
27	15. 9-18. 3	-0. 092	-0. 006		19	1. 1- 1. 8	-0. 123	-0. 015	
27	22. 3- 1. 4	-0. 114	-0. 037		19-20	5. 2- 9. 8	-0. 082	-0. 003	
28	10. 1	-0. 081	0. 000		20	17. 3-20. 4	-0. 096	+0. 056	
28	13. 4-16. 4	-0. 094	+0. 034		20	5. 2-10. 2	-0. 100	+0. 003	
28	23. 6- 0. 1	-0. 101	-0. 001		21	19. 0-19. 5	-0. 100	+0. 030	
29	13. 4-17. 5	-0. 100	-0. 033		21-22	5. 2-14. 5	-0. 074	+0. 024	
29	0. 6- 1. 8	-0. 124	-0. 083		22	19. 8- 1. 4	-0. 099	-0. 020	
29-30	4. 5- 7. 9	-0. 081	-0. 063		27	13. 4-13. 8	-0. 169	-0. 073	
30	13. 1-17. 3	-0. 090	-0. 080		27	1. 0- 1. 8	-0. 217	-0. 066	
30	0. 6- 1. 7	-0. 124	-0. 050		27-28	5. 8-10. 1	-0. 173	-0. 080	
30- 1	4. 5-10. 1	-0. 082	-0. 049		28	1. 4- 2. 1	-0. 173	0. 000	
July 1	13. 4-17. 7	-0. 117	-0. 010		Aug. 4	13. 3-13. 4	+0. 035	+0. 064	
1	1. 0- 2. 0	-0. 119	-0. 057		4	1. 1- 1. 7	+0. 024	+0. 086	
2	3. 0- 9. 4	-0. 100	-0. 044		4- 5	5. 8-13. 8	+0. 046	+0. 086	
3	13. 4-17. 3	-0. 060	+0. 048		6- 7	6. 5-13. 4	-0. 007	+0. 056	
3	1. 1- 1. 8	-0. 070	+0. 008		7	20. 2- 1. 8	-0. 012	+0. 089	
5	14. 7-17. 5	-0. 096	-0. 029		7- 8	6. 5-13. 4	-0. 009	+0. 097	
6- 7	5. 2-10. 2	-0. 084	-0. 028		8	20. 4- 1. 4	-0. 013	+0. 126	
7	13. 4-17. 7	-0. 104	-0. 029		15-16	7. 2-13. 4	+0. 018	+0. 036	
9-10	4. 5- 7. 6	-0. 096	-0. 071		16	17. 3-21. 8	+0. 025	+0. 059	
10	16. 5-17. 5	-0. 087	-0. 010		16	1. 0- 1. 4	+0. 011	+0. 016	
10-11	5. 2-10. 2	-0. 082	-0. 024		17	18. 0-19. 2	-0. 008	+0. 093	
11	13. 4-17. 5	-0. 100	+0. 006		18-19	7. 5-13. 4	-0. 033	+0. 045	
11	1. 1- 1. 7	-0. 094	+0. 006		19	20. 2- 1. 4	-0. 016	+0. 036	
11-12	3. 8-10. 9	-0. 085	-0. 007		20	21. 5-22. 2	-0. 019	+0. 075	
12	14. 2-14. 8	-0. 087	+0. 026		21	13. 4	+0. 010	+0. 149	
12	1. 4- 1. 8	-0. 091	-0. 006		21	21. 0- 1. 7	-0. 024	+0. 113	
12-13	4. 5- 7. 5	-0. 108	+0. 010		21-22	7. 6-13. 8	+0. 008	+0. 029	
13	4. 8- 6. 3	-0. 099	-0. 028		22	23. 4- 1. 8	+0. 010	+0. 094	

Values of *a* will be found in Table VIa, immediately following.Values of *a* will be found in Table VIa, immediately following.

TABLE VI.—*Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i> *	<i>b</i>	<i>a</i>
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	s	s	s	1899.	h h	s	s	s
Aug. 22-23	7. 2-14. 2	-0.020	+0.062		Sept. 22-23	9. 4-14. 7	-0.012	+0.121	
23	0. 4- 1. 4	-0.027	+0.037		23	3. 7- 4. 4	-0.011	+0.119	
24	13. 4-14. 2	+0.005	+0.110		24	4. 5- 5. 4	-0.045	+0.078	
24	19. 8- 2. 1	-0.032	+0.112		26	6. 3- 7. 5	-0.064	+0.081	
24-25	7. 6-14. 2	-0.002	+0.082		26-27	9. 4-14. 7	-0.045	+0.034	
25	2. 7- 3. 7	-0.011	+0.075		27	1. 0- 1. 7	+0.027	+0.106	
30	20. 2-22. 2	-0.007	+0.028		27	7. 2- 7. 9	-0.012	+0.075	
31	19. 7-21. 8	-0.017	+0.061		27-28	9. 4-15. 7	-0.017	+0.079	
31- 1	7. 2-14. 2	-0.004	+0.044		28	0. 7- 1. 8	+0.002	+0.094	
Sept. 3	7. 6-14. 2	+0.008	+0.011		29	8. 7- 9. 8	+0.025	+0.042	
4	19. 8- 1. 7	+0.017	+0.071		30	20. 2-21. 4	-0.003	+0.074	
4- 5	9. 4-14. 2	+0.021	+0.084		Oct. 1	10. 1-15. 5	-0.002	+0.068	
5	1. 0- 2. 0	-0.011	+0.074		2	1. 0- 1. 7	-0.047	+0.116	
5- 6	9. 4-14. 2	+0.013	+0.091		6- 7	9. 7-15. 0	-0.064	+0.042	
6	1. 0- 1. 4	+0.028	+0.100		8- 9	11. 2-16. 9	-0.007	+0.004	
6- 7	7. 5-11. 0	+0.010	+0.097		9	22. 0- 1. 4	-0.034	-0.002	
7- 8	7. 5-14. 7	+0.018	+0.115		9-10	10. 1-18. 3	-0.018	+0.041	
9	19. 7-21. 6	-0.019	+0.113		12	19. 9-20. 5	-0.014	+0.112	
11	15. 5-22. 0	-0.005	+0.082		12-13	10. 1-15. 7	-0.003	+0.030	
11-12	9. 4-17. 3	0.000	+0.075		13	20. 4- 1. 4	-0.040	+0.070	
12	20. 4- 1. 4	-0.016	+0.111		13-14	10. 3-15. 7	-0.033	+0.040	
12-13	8. 7-13. 8	+0.006	+0.092		14	20. 2-22. 2	-0.044	+0.077	
13	18. 0- 1. 4	+0.010	+0.122		17-18	10. 3-14. 2	-0.030	+0.001	
13-14	9. 4-15. 8	+0.002	+0.074		18	1. 0- 2. 0	-0.032	+0.051	
14	19. 2-21. 6	+0.009	+0.091		18-19	10. 5-15. 5	-0.029	+0.032	
14-15	10. 0-14. 2	+0.004	+0.106		19	20. 9- 3. 0	-0.049	+0.113	
15	20. 0-20. 8	-0.023	+0.129		19-20	12. 9-17. 2	+0.012	+0.090	
15-16	9. 4-14. 2	-0.005	+0.062		20	20. 4- 4. 4	-0.002	+0.077	
16	20. 2-21. 6	-0.023	+0.120		20-21	11. 2-15. 7	+0.009	+0.050	
17	21. 8-23. 9	+0.012	+0.085		21	4. 6- 5. 0	+0.067	+0.097	
18	22. 8-23. 9	-0.043	+0.104		22	5. 0- 6. 3	+0.029	+0.108	
21	11. 9-15. 5	-0.052	+0.030		22-23	13. 4-18. 8	+0.005	+0.062	
21	19. 8- 2. 4	-0.036	+0.098		23	1. 0- 1. 4	-0.045	+0.107	
21-22	8. 7-14. 2	-0.019	+0.066		23-24	11. 7-17. 7	+0.002	+0.087	
22	23. 7- 3. 5	-0.006	+0.134		25	14. 0-18. 6	-0.001	+0.074	
					25	7. 5- 8. 7	-0.035	+0.076	

Values of *a* will be found in Table VIa, immediately following.Values of *a* will be found in Table VIa, immediately following.

TABLE VI. — *Adopted Values of the Collimation, Level, and Azimuth Constants—Continued.*

Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>	Date.	Sidereal Hour.	<i>c</i>	<i>b</i>	<i>a</i>
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	s	s	s	1899.	h h	s	s	s
Oct. 26	14.0-17.5	-0.006	+0.118		Nov. 30-1	13.3-18.6	-0.016	+0.067	
26	9.2-10.3	-0.027	+0.072		Dec. 1-2	13.4-19.0	-0.019	+0.092	
26-27	12.9-17.7	-0.010	+0.111		2	1.1-1.7	-0.027	+0.105	
27	9.4-10.3	-0.006	+0.065		3-4	13.3-19.0	-0.006	+0.112	
Nov. 1-2	11.7-16.4	-0.007	+0.117		4	1.0-1.4	-0.009	+0.108	
2	1.0-1.4	-0.034	+0.080		4-5	13.4-19.8	+0.004	+0.114	
3-4	11.7-17.5	-0.049	+0.080		5	1.0-1.4	+0.055	+0.107	
4	1.1-1.8	-0.015	+0.108		5-6	14.5-20.5	-0.022	+0.126	
6-7	12.2-19.4	-0.009	+0.080		6	5.3-6.0	-0.046	+0.115	
8	18.6-20.2	+0.008	+0.111		6-7	14.7-19.8	-0.018	+0.132	
8-9	12.9-20.8	-0.016	+0.121		7-8	14.2-22.6	-0.014	+0.106	
9	1.0-1.4	+0.001	+0.144		8	5.3-6.0	-0.011	+0.164	
9-10	13.3-19.0	0.000	+0.153		8-9	14.2-23.6	-0.022	+0.174	
10	21.1-1.8	+0.006	+0.128		10-11	13.3-19.0	+0.002	+0.179	
10-11	14.2-18.6	-0.010	+0.151		12	1.1-6.0	-0.026	-0.270	
12	22.8-23.9	+0.007	+0.092		12-13	14.2-19.8	-0.020	-0.263	
12	12.9-17.7	+0.020	+0.113		13	1.4-3.2	-0.026	-0.160	
13	23.9-1.4	-0.040	+0.113		13	12.9-13.3	-0.023	-0.158	
14	1.0-1.7	-0.017	+0.101		13-14	15.5-16.3	-0.028	-0.071	
15-16	12.9-19.0	-0.002	+0.128		14-15	14.8-19.8	-0.016	+0.060	
18	4.2-5.3	-0.031	+0.106		15	4.4-6.0	-0.008	+0.119	
19	5.8-6.7	0.000	+0.112		15-16	14.5-19.8	-0.034	+0.155	
19-20	13.4-18.6	-0.003	+0.136		16	1.1-6.0	-0.033	+0.154	
20	1.4-7.2	-0.022	+0.124		17	6.3-7.5	-0.034	+0.255	
20-21	13.3-19.3	-0.009	+0.127		17-18	15.2-19.8	-0.019	+0.268	
21	5.3-8.0	-0.020	+0.141		18	1.1-7.8	-0.036	+0.269	
23	5.5-9.8	-0.026	+0.078		19	5.5-9.9	-0.010	+0.058	
24	5.3-10.7	+0.014	+0.115		19-20	15.5-19.8	-0.025	+0.047	
25	10.1-11.4	-0.023	+0.074		20	1.1-13.3	-0.026	+0.383	
26	11.5-12.9	+0.003	+0.102		20-21	15.2-19.8	-0.040	+0.390	
26-27	13.3-18.6	-0.105	+0.104		21	1.1-13.4	-0.034	+0.425	
27	1.0-1.4	-0.034	+0.128		21-22	15.2-19.8	0.000	+0.416	
28	5.3-6.0	-0.008	+0.118		22	5.3-11.2	-0.021	-0.136	
28-29	13.4-18.6	-0.022	+0.102		25	12.2-13.5	-0.037	-0.022	
29	1.1-1.7	-0.022	+0.128		25-26	15.7-20.2	-0.024	-0.010	
					26	1.1-5.8	-0.013	-0.005	
					26	13.1-14.5	-0.029	-0.005	
					28-29	15.5-20.4	-0.030	-0.012	
					29	1.0-13.5	-0.024	0.000	
					29-30	16.2-19.0	-0.054	-0.010	

Values of *a* will be found in Table VIa, immediately following.Values of *a* will be found in Table VIa, immediately following.

TABLE VIa.—*Observed Values of the Azimuth Constant of the Six-Inch Transit Circle.*

From June 13 to November 21 the thermometer hung at about the height of object glass under one edge of slit in roof. From November 22 the west thermometer hung in west microscope drum, and the east thermometer was inserted horizontally in a small cavity in the east microscope drum in contact with the metal.

Date.	Sid. Hour.	<i>a</i>	Ther.		Date.	Sid. Hour.	<i>a</i>	Ther.	
1899.	h	s	°		1899.	h	s	°	
June 13	17.6	—0.495	74.5	. .	June 23	9.5	—1.194	86.2	. .
13	3.5	0.555	78.8	. .	23	13.9	1.329	. .	. .
14	16.6	0.688	77.7	. .	23	17.5	1.207	72.2	. .
14	1.0	0.657	80.0	. .	23	1.5	1.114	75.0	. .
14	5.3	0.833	89.0	. .	23	3.4	1.181	82.0	. .
15	13.7	—0.948	77.8	. .	23	5.0	—1.250	85.4	. .
15	1.0	0.588	71.0	. .	24	9.0	1.507	93.0	. .
15	5.2	0.567	76.0	. .	24	13.0	1.643	86.0	. .
16	13.8	0.430	62.1	. .	24	17.4	1.518	76.0	. .
16	16.8	0.291	57.8	. .	24	19.6	1.486	74.4	. .
16	0.9	—0.024	60.1	. .	24	1.8	—1.369	75.8	. .
18	15.4	0.429	63.1	. .	25	20.2	1.113	66.0	. .
18	1.5	0.294	68.0	. .	25	4.3	1.133	77.4	. .
18	3.3	0.360	76.8	. .	25	6.2	1.133	80.2	. .
18	5.2	0.491	81.8	. .	26	9.5	1.294	84.0	. .
19	10.6	—0.722	87.8	. .	26	14.2	—1.420	75.2	. .
19	14.1	0.850	75.8	. .	26	17.5	1.308	71.4	. .
19	17.3	0.793	71.0	. .	26	22.8	1.128	66.0	. .
19	1.0	0.625	70.2	. .	26	0.8	1.133	68.5	. .
19	5.7	0.768	90.0	. .	26	3.5	1.114	77.5	. .
20	14.5	—1.262	80.8	. .	26	6.1	—1.275	84.0	. .
20	0.9	1.020	75.5	. .	27	9.3	1.399	82.5	. .
20	2.0	1.116	76.5	. .	27	12.6	1.435	79.0	. .
21	8.4	1.277	86.0	. .	27	15.8	1.310	71.0	. .
21	14.0	1.251	78.0	. .	27	23.2	1.240	67.0	. .
21	16.8	—1.099	. .	. .	27	0.5	—1.224	68.8	. .
21	0.0	0.847	65.4	. .	27	3.8	1.306	78.2	. .
21	2.8	0.864	69.9	. .	27	6.0	1.337	82.0	. .
21	5.7	0.820	78.2	. .	28	9.5	1.534	84.7	. .
22	8.5	0.996	83.8	. .	28	13.0	1.595	83.3	. .
22	12.4	—1.142	80.0	. .	28	17.3	—1.556	76.1	. .
22	17.8	0.962	68.0	. .	28	0.4	—1.404	76.0	. .
22	1.6	0.809	70.9	. .	Azimuth adjusted.				
22	3.6	0.889	76.2	. .	29	13.7	—0.011	71.0	. .
22	5.9	0.974	85.0	. .	29	18.2	+0.107	65.9	. .

TABLE VI a.—*Observed Values of the Azimuth Constant of the Six-Inch Transit Circle—Continued.*

Date.	Sid. Hour.	<i>a</i>	Ther.		Date.	Sid. Hour.	<i>a</i>	Ther.	
1899.	h	s	°		1899.	h	s	°	
June 29	0.8	+0.261	61.8	. .	July 12	15.0	—0.730	75.8	. .
29	4.2	+0.296	73.6	. .	12	1.0	0.516	68.8	. .
29	6.2	+0.198	78.0	. .	12	4.8	0.551	84.9	. .
30	9.1	+0.016	80.8	. .	12	7.0	0.664	91.0	. .
30	12.9	—0.033	77.2	. .	13	7.3	0.548	83.0	. .
30	0.4	+0.223	61.1	. .	14	4.6	—0.557	80.0	. .
30	3.4	+0.265	75.0	. .	14	7.2	0.688	86.8	. .
30	6.3	—0.024	82.0	. .	15	9.3	0.804	87.0	. .
July 1	9.3	—0.098	85.0	. .	16	11.8	0.980	89.1	. .
1	13.0	—0.233	78.5	. .	16	5.7	0.792	85.2	. .
1	1.5	+0.218	65.5	. .	17	7.9	—0.948	86.0	. .
2	4.1	—0.038	77.8	. .	17	12.6	0.901	78.7	. .
2	6.2	0.188	85.6	. .	17	22.3	0.726	70.6	. .
3	9.5	0.362	89.1	. .	17	1.7	0.598	68.2	. .
3	14.1	0.465	81.0	. .	17	4.7	0.578	73.0	. .
3	18.1	—0.360	71.3	. .	17	7.6	—0.621	77.1	. .
3	1.7	0.143	72.3	. .	18	10.9	0.697	81.5	. .
4	3.7	0.493	78.4	. .	18	[18.0]	0.647	71.1	. .
5	8.8	0.774	77.0	. .	18	23.0	0.462	66.5	. .
5	15.5	0.507	67.0	. .	18	5.1	0.537	79.0	. .
5	17.8	—0.431	67.0	. .	18	7.5	—0.607	85.0	. .
6	4.2	0.391	80.0	. .	19	10.9	0.760	87.0	. .
6	6.7	0.434	86.5	. .	19	12.7	0.834	86.0	. .
7	10.5	0.664	88.0	. .	19	2.1	0.692	73.0	. .
7	13.7	0.681	82.5	. .	19	5.9	0.713	83.2	. .
7	18.5	—0.669	75.2	. .	20	8.5	—0.838	90.0	. .
9	4.3	0.190	74.0	. .	20	12.1	0.975	89.3	. .
9	6.8	0.224	82.0	. .	20	18.6	0.993	77.0	. .
10	10.5	0.380	82.6	. .	20	7.9	0.928	89.3	. .
10	13.0	0.454	79.2	. .	21	19.1	1.120	78.3	. .
10	18.1	—0.375	69.0	. .	21	5.6	—1.025	85.3	. .
10	4.5	0.265	79.8	. .	22	13.0	1.320	93.0	. .
10	6.8	0.364	85.2	. .	22	22.5	1.167	75.0	. .
11	10.6	0.525	82.5	. .	22	0.9	1.141	75.0	. .
11	13.8	0.625	79.0	. .	25	5.8	0.681	79.0	. .
11	17.7	—0.499	72.0	. .	25	7.8	—0.867	85.8	. .
11	1.6	0.261	67.6	. .	26	12.0	1.143	80.5	. .
11	4.3	0.307	77.1	. .	26	0.7	0.636	71.0	. .
11	6.5	0.370	81.0	. .	26	8.0	1.117	88.1	. .
12	10.5	0.612	86.8	. .	27	2.1	1.268	75.1	. .

TABLE VIa.—*Observed Values of the Azimuth Constant of the Six-Inch Transit Circle—Continued.*

Date.	Sid. Hour.	<i>a</i>	Ther.		Date.	Sid. Hour.	<i>a</i>	Ther.	
1899.	h	s	°		1899.	h	s	°	
July 27	6.0	—1.225	82.2	. .	Aug. 18	7.7	—0.166	77.0	. .
27	8.4	1.225	88.2	. .	18	9.7	0.318	82.0	. .
		Azimuth adjusted.			19	13.0	0.396	85.0	. .
Aug. 3	12.2	—0.175	87.5	. .	19	20.6	0.300	74.4	. .
3	7.4	0.078	81.5	. .	19	1.6	0.248	74.0	. .
4	9.1	—0.175	87.5	. .	20	23.2	—0.551	75.0	. .
4	13.1	0.331	89.5	. .	20	7.6	0.446	84.1	. .
4	2.0	0.250	76.0	. .	20	9.2	0.521	91.5	. .
4	6.1	0.213	85.0	. .	21	13.2	0.718	92.5	. .
4	8.6	0.255	88.8	. .	21	22.3	0.670	76.9	. .
5	11.8	—0.394	90.0	. .	21	2.0	—0.512	72.0	. .
5	13.6	—0.422	88.4	. .	21	8.0	0.415	85.0	. .
6	6.3	+0.060	73.3	. .	21	9.8	0.476	88.0	. .
7	10.4	—0.047	80.6	. .	22	13.1	0.566	89.0	. .
7	12.1	—0.182	81.0	. .	22	2.2	0.335	68.9	. .
7	22.2	—0.011	67.0	. .	22	7.6	—0.232	77.8	. .
7	2.1	+0.156	62.9	. .	22	9.9	0.380	80.0	. .
7	6.2	+0.148	71.0	. .	23	13.1	0.411	80.2	. .
7	8.6	+0.093	78.0	. .	23	1.2	0.145	67.0	. .
8	13.0	—0.084	79.5	. .	23	7.0	0.171	73.0	. .
8	20.6	+0.040	66.0	. .	23	9.7	—0.177	80.7	. .
8	21.8	0.018	66.0	. .	24	12.9	0.263	84.0	. .
8	1.8	0.116	65.1	. .	24	21.3	0.387	69.9	. .
8	6.8	0.193	75.7	. .	24	2.5	0.231	67.4	. .
8	8.7	+0.079	78.7	. .	24	8.2	0.240	81.1	. .
9	12.0	—0.031	81.5	. .	24	9.8	—0.268	85.8	. .
10	11.0	0.214	85.2	. .	25	13.0	0.467	87.0	. .
10	9.1	0.322	87.4	. .	25	4.2	0.383	71.5	. .
12	13.5	0.342	82.0	. .	25	7.3	0.369	77.5	. .
12	19.6	—0.310	74.0	. .	25	9.8	0.449	84.0	. .
14	7.0	+0.163	65.1	. .	26	12.9	—0.603	86.0	. .
15	6.9	0.349	69.0	. .	27	7.6	0.209	72.0	. .
15	9.3	0.252	74.0	. .	27	9.5	0.226	74.9	. .
16	12.9	0.188	77.2	. .	28	4.4	0.073	64.1	. .
16	18.6	0.138	69.6	. .	30	21.6	0.245	70.0	. .
16	0.8	+0.278	60.1	. .	30	7.9	—0.199	73.2	. .
16	6.8	0.436	68.0	. .	30	9.9	0.259	79.2	. .
16	9.3	0.253	74.0	. .	31	13.7	0.320	80.0	. .
17	12.7	0.151	77.5	. .	31	20.3	0.340	71.0	. .
17	20.7	+0.087	69.6	. .	31	22.0	0.340	70.0	. .

TABLE VIa.—*Observed Values of the Azimuth Constant of the Six-Inch Transit Circle*—Continued.

Date.	Sid. Hour.	<i>a</i>	Ther.		Date.	Sid. Hour.	<i>a</i>	Ther.	
1899.	h	s	°		1899.	h	s	°	
Aug. 31	7.4	−0.164	75.3	. .	Sept. 13	10.4	+0.049	64.1	. .
31	10.3	0.308	84.3	. .	14	15.0	−0.064	68.0	. .
Sept. 1	14.0	0.518	85.0	. .	14	19.8	−0.060	59.3	. .
1	19.4	0.697	75.3	. .	14	21.8	+0.034	55.1	. .
1	8.7	0.408	76.2	. .	14	8.8	+0.200	63.1	. .
1	10.4	−0.497	84.0	. .	14	11.0	+0.153	71.0	. .
3	8.3	0.494	71.0	. .	15	14.0	−0.005	74.3	. .
3	9.5	0.529	74.0	. .	15	19.5	−0.107	66.0	. .
4	13.1	0.463	81.0	. .	15	8.8	+0.167	65.3	. .
4	13.8	0.502	79.0	. .	15	11.4	+0.045	73.0	. .
4	20.5	−0.361	67.0	. .	16	14.0	−0.141	73.0	. .
4	1.2	0.294	62.6	. .	16	19.7	0.261	66.0	. .
4	2.0	0.269	62.6	. .	16	21.8	0.184	62.9	. .
4	10.4	0.106	75.0	. .	17	21.5	0.227	63.3	. .
5	13.7	0.392	82.2	. .	17	22.5	0.193	61.1	. .
5	1.5	−0.383	71.0	. .	17	8.9	−0.026	68.1	. .
5	8.7	0.459	86.0	. .	18	13.2	0.221	78.0	. .
5	10.6	0.597	92.2	. .	18	22.1	0.367	68.0	. .
6	13.7	0.701	93.0	. .	18	23.2	0.361	66.0	. .
6	1.5	0.544	68.0	. .	20	9.8	0.187	63.1	. .
6	7.2	−0.315	67.2	. .	21	12.0	−0.245	67.3	. .
6	10.4	0.326	77.0	. .	21	14.5	0.257	68.5	. .
7	7.8	0.397	77.0	. .	21	20.2	0.165	59.1	. .
7	10.2	0.446	87.0	. .	21	1.2	−0.030	53.1	. .
8	14.2	0.677	90.2	. .	21	9.3	+0.072	64.2	. .
9	20.0	−0.461	68.0	. .	22	13.0	−0.070	76.8	. .
11	15.4	−0.158	75.0	. .	22	0.8	0.080	59.1	. .
11	21.9	−0.147	61.1	. .	22	9.5	0.023	68.0	. .
11	9.0	+0.025	72.5	. .	22	11.7	0.118	75.0	. .
11	11.0	−0.088	77.0	. .	23	14.0	0.251	78.2	. .
12	13.1	−0.210	82.0	. .	23	4.0	−0.221	59.7	. .
12	17.0	0.381	77.0	. .	24	5.6	−0.301	63.5	. .
12	1.8	0.270	66.0	. .	26	7.3	+0.171	45.9	. .
12	8.5	0.100	69.0	. .	26	9.2	+0.246	54.1	. .
12	11.0	0.189	73.0	. .	26	12.0	+0.187	61.3	. .
13	13.6	−0.261	73.0	. .	27	14.8	+0.061	63.1	. .
13	18.6	0.265	66.0	. .	27	1.9	0.201	47.9	. .
13	21.7	0.142	61.1	. .	27	8.5	0.327	51.3	. .
13	1.6	−0.050	57.1	. .	27	9.5	0.302	57.4	. .
13	8.4	+0.038	60.1	. .	27	11.8	0.235	67.8	. .

TABLE VI a.—*Observed Values of the Azimuth Constant of the Six-Inch Transit Circle—Continued.*

Date.	Sid. Hour.	<i>a</i>	Ther.		Date.	Sid. Hour.	<i>a</i>	Ther.	
1899.	h	s	°		1899.	h	s	°	
Sept. 28	14.5	+0.042	72.0	. .	Oct. 18	13.7	—0.343	74.0	. .
28	21.2	—0.068	59.1	. .	18	0.4	0.364	65.1	. .
28	0.5	+0.034	55.3	. .	18	2.2	0.312	62.3	. .
28	9.2	+0.142	62.3	. .	18	10.8	0.213	65.8	. .
29	13.5	—0.011	71.8	. .	18	13.1	0.239	71.8	. .
29	9.0	+0.343	49.1	. .	19	15.7	—0.316	74.9	. .
29	12.0	0.322	54.1	. .	19	1.6	0.206	58.9	. .
30	20.5	0.320	46.2	. .	19	10.9	0.036	64.4	. .
Oct. 1	9.9	0.570	48.2	. .	19	12.7	0.097	64.1	. .
1	11.6	0.526	55.1	. .	20	17.5	0.071	59.5	. .
2	12.8	+0.538	57.1	. .	20	20.5	—0.033	52.9	. .
2	13.7	0.482	57.3	. .	20	2.9	+0.224	45.2	. .
2	14.8	0.498	57.9	. .	20	11.0	0.456	45.4	. .
2	0.4	0.515	43.3	. .	20	12.6	0.420	49.1	. .
2	1.8	0.509	41.5	. .	21	16.0	0.389	52.1	. .
3	10.4	+0.626	52.3	. .	21	4.3	+0.555	38.4	. .
3	12.3	0.546	60.6	. .	21	5.0	0.564	37.4	. .
6	10.4	0.365	57.9	. .	22	6.1	0.547	44.2	. .
7	13.7	0.212	64.1	. .	22	13.7	0.491	60.1	. .
8	10.5	0.275	60.1	. .	23	18.2	0.353	64.1	. .
9	13.7	+0.192	70.0	. .	23	1.7	+0.303	53.1	. .
9	17.1	0.108	67.0	. .	23	11.3	0.366	63.6	. .
9	22.2	0.101	58.1	. .	23	13.6	0.222	74.2	. .
9	1.2	+0.164	56.1	. .	24	17.9	0.004	74.5	. .
9	10.5	—0.142	63.4	. .	24	6.4	0.128	55.1	. .
9	12.8	+0.149	71.0	. .	24	13.7	+0.178	61.6	. .
10	19.1	—0.111	65.4	. .	25	14.5	+0.145	64.1	. .
12	20.6	0.320	67.9	. .	25	18.4	—0.010	68.5	. .
12	9.9	0.152	66.0	. .	25	8.1	+0.113	53.2	. .
12	12.4	0.206	75.7	. .	25	13.8	+0.082	69.8	. .
13	15.9	—0.389	78.0	. .	26	17.7	—0.128	75.0	. .
13	20.6	0.406	68.1	. .	26	9.8	+0.017	55.1	. .
13	0.6	0.316	62.1	. .	26	12.8	—0.004	67.0	. .
13	10.5	0.082	62.3	. .	27	17.7	—0.199	77.6	. .
13	12.8	0.158	69.2	. .	27	9.2	—0.019	56.4	. .
14	15.8	—0.239	70.0	. .	27	10.4	—0.010	58.1	. .
14	20.7	0.327	65.1	. .	27	12.4	—0.071	65.4	. .
14	22.1	0.310	63.1	. .	28	14.4	—0.188	74.0	. .
17	10.6	0.237	68.0	. .	Nov. 1	11.9	+0.495	51.1	. .
17	12.7	0.283	73.0	. .	1	13.7	+0.494	57.1	. .

TABLE VIa.—*Observed Values of the Azimuth Constant of the Six-Inch Transit Circle—Continued.*

Date.	Sid. Hour.	<i>a</i>	Ther.		Date.	Sid. ou	<i>a</i>	Ther.	
1899.	h	s	°		1899.	h	s	°	
Nov. 2	17.0	+0.403	61.1	. .	Nov. 18	5.6	+0.634	49.1	. .
2	0.7	0.390	47.7	. .	19	6.9	0.662	44.2	. .
3	11.7	0.859	41.8	. .	19	13.6	0.765	49.9	. .
3	13.0	0.816	48.7	. .	19	15.6	0.715	55.1	. .
4	17.8	0.654	54.1	. .	20	18.7	0.663	55.9	. .
4	1.0	+0.763	41.0	. .	20	2.3	+0.697	43.5	. .
4	1.7	0.755	39.3	. .	20	7.4	0.773	38.9	. .
6	12.5	0.955	43.5	. .	20	13.1	0.868	41.4	. .
6	14.6	0.866	51.1	. .	20	15.6	0.855	51.5	. .
7	19.2	0.821	52.1	. .	21	18.4	0.732	52.9	. .
8	18.7	+0.739	53.1	. .	21	6.8	+0.860	40.8	. .
8	13.1	0.934	49.1	. .				Ther.	Ther.
9	17.8	0.722	61.1	. .				West.	East.
9	20.1	0.702	57.1	. .	22	15.2	0.701	46.5	48.5
9	1.7	0.774	47.2	. .	22	15.9	0.711	45.5	48.0
9	12.4	+0.818	53.6	. .	23	17.2	+0.718	45.4	47.0
9	14.8	0.658	65.1	. .	23	18.0	0.732	45.0	46.2
10	19.2	0.494	62.4	. .	23	19.2	0.730	44.5	45.9
10	22.4	0.507	57.1	. .	23	20.0	0.726	43.9	45.2
10	1.0	0.499	54.1	. .	23	21.0	0.739	44.5	45.1
10	13.0	+0.692	55.1	. .	23	23.0	+0.710	43.8	44.9
10	14.7	0.593	63.1	. .	23	1.0	0.752	42.9	44.6
11	18.4	0.379	71.0	. .	23	3.0	0.804	40.3	42.6
12	23.2	0.810	41.0	. .	23	5.0	0.851	37.9	40.8
12	12.6	1.110	38.1	. .	23	7.0	0.919	36.5	38.7
12	15.0	+0.951	47.2	. .	23	8.9	+0.967	35.6	37.2
13	18.7	0.844	47.4	. .	23	11.0	0.963	34.8	36.3
13	0.1	0.875	. .	. .	23	13.3	1.002	37.6	36.7
13	1.5	0.862	40.1	. .	23	14.0	1.018	39.0	38.0
14	23.8	0.887	45.2	. .	23	15.0	0.985	41.1	39.4
14	2.2	+0.935	40.8	. .	24	16.4	+0.942	42.7	41.3
14	13.6	1.001	45.7	. .	24	17.3	0.926	44.2	42.1
15	16.8	0.888	58.1	. .	24	18.2	0.902	46.2	43.5
15	1.2	0.756	. .	. .	24	19.1	0.913	46.0	44.8
15	13.1	0.741	54.3	. .	24	20.1	0.894	45.2	44.8
16	15.9	+0.722	58.6	. .	24	21.0	+0.905	44.0	44.5
16	19.2	0.688	56.7	. .	24	23.1	0.942	40.3	42.0
17	12.7	0.793	46.6	. .	24	1.0	0.925	37.5	40.0
18	18.4	0.617	58.2	. .	24	3.0	0.992	36.0	38.0
18	3.8	0.607	49.1	. .	24	5.0	1.024	35.0	36.7

TABLE VIa.—*Observed Values of the Azimuth Constant of the Six-Inch Transit Circle*—Continued.

Date.	Sid. Hour.	<i>a</i>	Ther. West.	Ther. East.	Date.	Sid. Hour.	<i>a</i>	Ther. West.	Ther. East.
1899.	h	s	°		1899.	h	s	°	
Nov. 24	7.0	+0.999	34.0	35.2	Dec. 3	16.1	+0.928	42.8	42.0
24	9.0	1.060	33.0	34.0	4	18.9	0.944	43.6	43.4
24	10.9	1.064	33.4	33.8	4	0.8	0.988	35.6	39.3
24	13.2	1.101	33.5	33.8	4	1.2	1.011	35.7	38.7
24	14.2	1.101	35.8	34.5	4	5.0	1.108	32.2	34.1
24	15.2	+1.071	.	36.0	4	13.6	+1.191	31.0	31.8
25	16.2	1.082	38.2	37.1	4	16.4	1.147	36.0	34.1
25	17.0	1.077	38.2	37.8	5	20.0	1.131	39.3	38.9
25	18.3	1.059	39.3	38.3	5	2.5	1.238	33.2	34.3
25	19.3	1.067	39.0	38.9	5	14.6	1.250	35.0	31.5
25	20.2	+1.066	39.0	38.9	5	16.7	+1.197	40.0	35.7
25	21.9	1.079	36.7	38.0	6	20.0	1.136	43.8	41.3
25	0.2	1.099	35.5	36.8	6	5.1	1.198	27.8	31.8
25	1.3	1.094	36.2	36.6	6	15.1	1.340	28.4	27.0
25	9.8	1.120	32.4	34.0	7	19.5	1.219	38.2	35.1
25	11.2	+1.162	31.4	33.1	7	14.3	+1.291	37.0	31.8
26	11.1	1.223	.	.	7	16.8	1.255	44.0	39.0
26	13.6	1.217	.	34.3	8	18.9	1.194	49.7	44.6
26	15.0	1.208	44.6	38.0	8	22.2	1.113	47.4	47.0
26	16.0	1.196	49.0	40.8	8	4.3	1.132	40.0	40.8
27	17.9	+1.113	53.0	45.0	8	6.0	+1.147	39.8	40.0
27	18.1	1.088	54.0	46.0	8	14.0	1.231	37.5	36.3
27	0.8	0.890	43.0	43.4	8	15.4	1.221	41.5	38.1
27	5.1	1.028	36.8	39.0	9	17.5	1.141	46.0	42.7
28	4.9	1.069	.	.	9	19.3	1.131	49.0	45.7
28	13.3	+1.130	.	37.0	9	22.3	+1.039	45.0	46.2
28	13.6	1.117	40.0	37.5	9	23.0	1.044	43.3	45.3
28	14.5	1.087	39.0	39.3	10	14.5	0.986	49.6	47.0
28	15.6	1.072	47.6	42.0	10	17.0	0.819	60.0	55.6
29	16.7	0.994	50.2	44.5	11	19.5	0.645	63.4	61.6
29	17.7	+0.994	51.0	47.0	Azimuth adjusted.				
29	18.5	0.978	51.3	48.5	12	0.7	+0.040	56.0	59.0
29	0.8	0.936	46.2	47.5	12	6.5	0.190	47.0	50.0
29	1.8	0.898	45.3	46.7	12	14.7	0.389	47.0	43.7
30	13.5	0.877	.	45.3	12	16.9	0.335	54.5	48.8
30	16.2	+0.773	53.8	50.6	13	19.5	+0.288	58.8	55.0
Dec. 1	18.4	0.658	59.0	55.0	13	1.0	0.324	50.5	52.4
1	13.1	0.817	43.2	45.5	13	1.8	0.324	49.5	51.4
1	13.6	0.813	44.0	45.0	13	2.7	0.324	48.5	50.2
1	15.7	0.806	47.7	46.5	13	12.7	0.538	35.6	40.0
2	18.7	+0.775	52.7	50.0	13	13.6	+0.599	35.5	38.3
2	1.0	0.797	46.1	48.3	13	15.2	0.563	39.3	38.6
2	1.9	0.778	45.0	47.2	13	17.2	0.608	43.0	41.2
3	13.1	0.976	39.0	40.3	14	15.1	0.468	39.8	41.0
3	13.6	0.980	39.3	40.2	14	17.4	0.471	41.0	40.6

TABLE VI a.—*Observed Values of the Azimuth Constant of the Six-Inch Transit Circle—Continued.*

Date.	Sid. Hour.	<i>a</i>	Ther. West.	Ther. East.	Date.	Sid. Hour.	<i>a</i>	Ther. West.	Ther. East.
1899.	h	s	°		1899.	h	s	°	
Dec. 15	20.0	+0.505	38.3	40.0	Dec. 20	13.7	+1.148	31.4	33.2
15	5.1	0.691	28.8	30.4			Azimuth adjusted.		
15	14.7	0.778	26.5	26.5	20	15.3	+1.086	35.4	33.4
15	16.6	0.759	30.0	28.5	20	17.5	1.001	43.0	38.1
16	18.8	0.750	33.3	31.3	21	19.3	1.012	47.1	42.2
16	19.5	+0.740	33.8	32.0	21	1.2	+0.898	43.0	44.2
16	1.2	0.701	29.0	30.7	21	5.1	0.897	37.7	40.0
16	1.9	0.703	28.2	30.0	21	9.6	0.939	33.0	35.8
16	5.2	0.758	27.0	27.8	21	10.4	1.010	33.0	35.0
16	5.9	0.749	27.1	27.5	21	13.0	1.051	38.0	34.4
17	6.1	+0.685	35.0	35.5	21	15.0	+1.083	37.2	37.6
17	7.7	0.723	34.4	35.2	21	17.7	1.055	48.7	43.0
17	15.9	0.778	38.8	34.4	22	19.7	1.286	51.8	48.0
17	17.5	0.778	42.8	38.4			Azimuth adjusted.		
18	20.2	0.697	50.2	44.8	22	20.7	+1.340	52.2	49.2
		Azimuth adjusted.					Azimuth adjusted.		
18	20.4	+0.710	51.0	45.5	22	21.1	+1.419	52.5	49.5
18	0.7	0.634	49.4	48.0	22	4.4	1.474	40.8	43.0
18	1.9	0.621	49.0	48.0	22	6.4	1.472	39.0	40.3
18	6.6	0.602	46.8	46.2	22	9.6	1.566	35.0	37.0
18	8.0	+0.606	46.2	46.2	22	11.2	+1.575	33.8	35.2
18	13.0	0.677	45.3	45.0			Azimuth adjusted.		
18	15.9	0.638	48.2	46.1	23	21.6	+1.157	44.0	41.3
18	17.5	0.610	50.2	48.9	23	2.7	1.308	37.4	39.4
19	18.6	0.549	52.4	50.4	24	17.5	1.535	30.1	31.1
19	20.0	+0.509	53.2	51.0	25	12.6	+1.666	20.2	22.4
19	20.5	0.701	54.0	51.4	25	13.5	1.698	.	.
19	22.4	0.718	48.2	50.2	25	16.0	1.701	22.7	22.0
19	5.2	0.887	42.0	38.1	25	17.9	1.697	24.9	24.1
19	6.3	0.924	37.0	39.1	26	20.5	1.677	28.3	26.5
19	9.5	+1.002	35.2	37.1	26	2.1	+1.746	21.0	23.7
19	15.0	1.098	35.0	35.7	26	6.2	1.760	18.1	20.0
19	16.6	1.105	38.5	36.5	26	14.7	1.815	17.1	17.0
19	17.6	1.071	40.5	37.8	28	15.4	1.969	17.2	17.0
20	19.9	1.026	44.5	41.0	28	18.3	1.904	20.8	19.3
20	20.5	+1.011	45.0	42.0	29	20.3	+1.880	22.1	21.0
		Azimuth adjusted.			29	0.6	1.854	19.0	20.8
20	1.6	+0.965	38.4	40.2	29	1.8	1.880	17.0	19.0
20	6.0	1.069	35.8	36.7	29	12.9	1.983	11.0	12.0
20	9.2	1.131	34.1	35.0	29	15.8	1.999	12.5	11.9
					29	17.4	+1.946	16.0	14.0
					30	19.7	1.917	17.2	16.4

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock.*

The standard sidereal clock for various dates has been as follows:

Howard Sidereal Clock, No. 404, October 10.4, 1894, to June 10.4, 1897.
 Parkinson and Frodsham Sidereal Clock, No. 611, June 10.9 to 21.8, 1897.
 Sidereal Chronometer, Negus No. 1295, June 21.9 to July 6.2, 1897.
 Sidereal Chronometer, Negus No. 1519, July 6.9 to 18.7, 1897.
 Howard Sidereal Clock, No. 404, July 21.8, 1897, to February 7.6, 1898.
 Sidereal Chronometer, Negus No. 1520, February 8.4 to 11.2, 1898.
 Howard Sidereal Clock, No. 404, February 13.8, 1898, to December 29.8, 1899.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE.					NINE-INCH TRANSIT CIRCLE—Continued.				
1894. Oct. 10	K.	h 22.428 1.873	s —35.094 —35.343	s —0.0724	1894. Nov. 25	S.	h 15.005 17.743	s —8.182 —8.217	s —0.0128
11	S.	23.433	—36.233	—0.0368	26	P.	14.790	—8.557	+0.0018
11		1.443	—36.307		27		18.665	—8.550	—0.0205
15	S.	1.967	—38.579		27		1.270	—8.685	—0.0437
16	P.	1.652	—41.486	—0.0639	27		3.970	—8.803	
16		2.920	—41.567		Dec. 2	S.	14.572	—9.858	—0.0476
17	K.	1.822	—42.028		3		18.920	—10.065	
18	S.	1.757	—43.420		4	P.	22.372	—9.858	
19	P.	1.724	—44.532		4	K.	14.440	—9.760	+0.0311
20	L.	1.512	—45.538		5		18.785	—9.625	—0.0049
24	K.	1.622	—49.128		5		23.462	—9.648	
31	K.	1.883	—54.680		6	P.	15.422	—9.935	—0.0016
Nov. 1	S.	1.726	—55.668		7		18.560	—9.940	—0.0540
2	P.	18.340	—56.278		7		1.233	—10.300	
3	L.	19.702	—57.194	—0.0454	13	P.	15.994	—10.906	+0.0016
3		1.378	—57.452		14		19.763	—10.900	+0.0092
8	P.	13.797	—63.317		14		5.582	—10.810	
9	L.	14.022	—64.720	—0.0425	14	L.	15.662	—10.910	—0.0048
10		16.843	—64.840		15		19.188	—10.927	
11	S.	14.022	—66.422	—0.0548	16	S.	15.530	—10.666	—0.0073
12		17.272	—66.600		17		19.372	—10.694	
12	P.	13.800	—67.263	—0.0275	17	P.	16.038	—11.028	+0.0336
13		18.425	—67.390		18		19.763	—10.903	
13	K.	14.200	—67.830	—0.0280	19	P.	16.520	—11.038	+0.0221
14		18.123	—67.940		20		19.597	—10.970	
14	L.	14.096	—7.498	—0.0005	20	L.	16.016	—10.984	+0.0051
15		17.950	—7.500		21		19.337	—10.967	
15	P.	14.285	—7.415	—0.0086	21	P.	17.183	—11.337	+0.0127
16		18.602	—7.452	+0.0072	22		2.380	—11.220	+0.0204
16		1.837	—7.400		22		5.320	—11.160	
19	P.	14.440	—8.077	—0.0086	1895. Jan. 4	P.	0.840	—14.660	
20		18.258	—8.110		22	K.	18.670	—20.635	—0.0518
23	L.	14.288	—8.268	+0.0050	23		21.660	—20.790	
24		18.878	—8.245		26	L.	4.798	—21.800	+0.0184
					26		6.155	—21.775	
					Feb. 26	L.	20.108	—34.275	—0.0353
					27		1.840	—34.477	
					28	L.	5.528	—34.643	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidercal Clock—Continued.*

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1895. Mar. 6	K.	h 6. 290	s —35. 727	s	1895. May 9	S.	h 14. 987	s —58. 210	s
8	L.	20. 703	—36. 550	—0. 0052	21	K.	1. 830	—65. 080	—0. 0260
9		1. 550	—36. 575		22		6. 172	—65. 193	
18	P.	22. 330	—39. 710	—0. 0156	23	P.	6. 168	—5. 816	+0. 0300 (Assumed.)
19		2. 495	—39. 775		27	P.	2. 485	—0. 600	
21	S.	11. 085	—40. 180		28		6. 946	—0. 473	+0. 0285
22	S.	11. 085	—40. 280		June 1	S.	12. 470	+ 5. 237	
28	S.	10. 950	—41. 925		5	P.	3. 365	+11. 190	+0. 0403
29	S.	10. 950	—42. 095		6		7. 284	+11. 348	
Apr. 2	P.	23. 530	—43. 990	—0. 0449	6	S.	13. 292	+12. 698	+0. 0068
3		2. 865	—44. 140		6		16. 808	+12. 722	
4	P.	0. 060	—45. 180	+0. 0771	7	S.	14. 005	+12. 370	+0. 0091
5		3. 210	—44. 937		7		17. 855	+12. 405	
9	K.	0. 570	—46. 515	+0. 0015	7	P.	3. 703	+12. 243	—0. 0240
10		3. 260	—46. 512	+0. 0050	8		7. 246	+12. 158	
10		13. 978	—46. 458		8	P.	14. 970	+12. 005	
10	K.	13. 978	—46. 490		July 2	P.	4. 680	+ 7. 172	—0. 0206
10	P.	0. 077	—46. 603	+0. 0147	3		9. 977	+ 7. 063	—0. 0303
11		3. 490	—46. 553		3		16. 013	+ 6. 880	
16	K.	22. 815	—48. 505	—0. 0446	8	P.	4. 830	+ 5. 177	—0. 0211
17		3. 800	—48. 727		9		9. 887	+ 5. 070	
17	L.	0. 427	—49. 090	—0. 0620	9	P.	4. 830	+ 4. 817	—0. 0174
18		3. 973	—49. 310		10		9. 830	+ 4. 730	
18	L.	22. 248	—49. 802		17	P.	5. 525	+ 1. 745	—0. 0281
18					18		10. 145	+ 1. 615	
18	P.	0. 427	—49. 670	—0. 0490	19	P.	5. 525	+ 1. 215	—0. 0274
19		3. 490	—49. 820		20		9. 983	+ 1. 093	
19	P.	14. 985	—50. 105		30	P.	16. 097	—8. 620	
19	L.	22. 674	—50. 020	—0. 0939	Aug. 6	P.	6. 922	—10. 850	—0. 0378
19		0. 168	—50. 160	+0. 0120	7		11. 150	—11. 010	
20		3. 678	—50. 118		7	P.	7. 156	—10. 996	—0. 0184
22	P.	1. 080	—51. 290	—0. 0160	8		11. 730	—11. 080	
23		4. 840	—51. 350		8	P.	7. 334	—11. 144	—0. 0220 (Assumed.)
23	P.	14. 437	—51. 683		9		7. 337	—11. 212	—0. 0266
23	K.	0. 570	—51. 725	—0. 0384	10	P.	11. 955	—11. 335	
24		4. 007	—51. 857		12	P.	7. 440	—11. 132	—0. 0182
24	L.	0. 060	—52. 080	—0. 0351	13		11. 730	—11. 210	
25		5. 066	—52. 256		15	P.	7. 610	—11. 170	—0. 0140 (Assumed.)
May 4	L.	11. 410	—57. 148	—0. 0136	18	P.	7. 610	—11. 575	—0. 0091
4		14. 360	—57. 188		19		11. 440	—11. 610	
4	L.	14. 497	—57. 203		22	P.	7. 563	—17. 013	—0. 0532
8	P.	1. 650	—58. 540	—0. 0115	23		13. 330	—17. 320	
9		5. 120	—58. 580						

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1895. Aug. 23	P.	h 7.563	s -17.537	s -0.0656	1895. Oct. 5	L.	h 2.012	s -34.798	s
24		12.640	-17.870		9	L.	11.445	-38.170	-0.0882
26	L.	15.222	-18.165		10		15.012	-38.485	
27	L.	0.355	-18.332		13	L.	11.917	-40.723	-0.0424
28	L.	17.742	-18.682		14		15.008	-40.854	
31	L.	20.114	-18.914		15	L.	11.917	-41.597	-0.0678
Sept. 2	L.	22.262	-19.880	+0.0258	16		15.212	-41.820	
2		0.202	-19.830		17	L.	11.445	-42.895	-0.0919
3	L.	22.473	-20.050	+0.0185	18		14.916	-43.214	
3		0.632	-20.010		18	L.	11.917	-43.703	-0.0613
4	L.	23.270	-20.678		19		14.935	-43.888	
11	L.	5.477	-23.617		20	L.	11.920	-45.283	-0.0515
13	L.	7.730	-24.477		21		15.686	-45.477	
16	P.	9.890	-25.463	-0.0764	21	L.	12.278	-45.950	-0.0869
17		14.427	-25.810		22		15.015	-46.188	-0.0447
20	K.	1.090	-27.173		22		17.638	-46.305	
20	P.	9.835	-27.528	-0.0582	22	L.	11.923	-46.710	-0.0307
21		14.163	-27.780		23		15.015	-46.805	-0.0421
22	L.	0.910	-27.946		23		18.556	-46.954	
22	P.	10.250	-28.203	-0.0078	23	L.	11.923	-47.077	-0.0447
23		15.873	-28.247		24		15.018	-47.215	-0.0510
25	P.	10.480	-28.797	-0.0347	24	L.	12.278	-47.448	-0.0847
26		14.368	-28.932		25		15.018	-47.680	-0.0162
27	K.	1.160	-29.114		25		20.584	-47.770	
28	L.	21.035	-29.745	+0.0096	25	L.	11.450	-47.950	-0.0734
		0.870	-29.708		26		15.018	-48.212	-0.0058
30	P.	10.487	-31.167	-0.0648	26		21.555	-48.250	
31		14.237	-31.410		27	L.	12.278	-48.842	-0.0381
Oct. 1	L.	23.195	-31.592	-0.0435	28		15.688	-48.972	
		0.870	-31.665		28	L.	12.300	-49.035	-0.0558
1	P.	10.257	-31.983	-0.0179	29		15.580	-49.218	-0.0091
2		14.163	-32.053		29		23.728	-49.292	
2	K.	1.032	-32.098		29	L.	12.937	-49.617	-0.0295
2	P.	10.817	-32.603	-0.0712	30		15.744	-49.700	
3		14.327	-32.853						
3	L.	0.910	-33.156		Nov. 2	L.	2.436	-50.686	
3	P.	11.740	-33.510	-0.0591	3	L.	12.868	-51.462	-0.0599
4		14.327	-33.663		4		16.008	-51.650	+0.0434
4	P.	10.995	-34.395	-0.0399	4		21.112	-51.428	
5		14.005	-34.515		5	L.	21.112	-51.872	
					11	P.	13.548	+ 6.110	-0.0397
					12		16.747	+ 5.983	
					15	P.	13.620	+ 3.543	-0.0400 (Assumed.)

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1895.		h	s	s	1896.		h	s	s
		Pendulum bob lowered.							
Nov. 17	P.	14. 607	+ 2. 333	+0.0073	Jan. 13	S.	16. 850	— 8. 946	—0.0208
18		17. 913	+ 2. 357		14		21. 360	— 9. 040	+0.0477
18	P.	13. 620	+ 3. 183	+0.0093	14		3. 552	— 8. 745	—0.0183
19		17. 913	+ 3. 223		14		8. 727	— 8. 840	
20	P.	13. 783	+ 4. 707	+0.0259	14	P.	17. 180	— 9. 427	—0.0174
21		19. 235	+ 4. 848		15		4. 890	— 9. 630	
		Pendulum bob raised.			15	L.	17. 735	— 9. 602	—0.0303
21	P.	14. 002	+ 0. 052	—0.0262	16		21. 300	— 9. 710	0.0000
22		20. 447	— 0. 117		16		4. 958	— 9. 710	—0.0339
26	P.	13. 550	— 0. 087	0.0000	16		8. 145	— 9. 818	
27		18. 547	— 0. 087		17	K.	5. 260	—10. 030	+0.0052
28	P.	13. 927	— 0. 100	—0.0113	17		8. 145	—10. 015	
29		18. 613	— 0. 153	+0.0095	17	S.	17. 188	—10. 080	—0.0367
29		1. 990	— 0. 083		18		22. 100	—10. 260	
Dec. 2	S.	7. 587	+ 0. 040		21	K.	5. 260	—10. 770	—0.0087
2	P.	14. 783	— 0. 357	—0.0039 (Assumed.)	21		8. 690	—10. 800	
3	P.	14. 503	— 0. 450	—0.0246	24	P.	17. 920	—11. 860	—0.0171
4		18. 560	— 0. 550		25		22. 010	—11. 930	
5	P.	14. 305	— 1. 038	—0.0087	26	L.	6. 168	—11. 968	—0.0153
6		18. 793	— 1. 077		26		19. 274	—12. 168	—0.0372
6	S.	7. 627	— 0. 827		27		21. 930	—12. 267	+0.0016
10	P.	14. 905	— 1. 882	—0.0049	27		5. 836	—12. 254	—0.0344
11		18. 560	— 1. 900		27		8. 043	—12. 330	
15	P.	14. 870	— 2. 780	—0.0125			Pendulum bob lowered.		
16		19. 920	— 2. 843		June 28	P.	4. 850	— 0. 783	—0.0243
25	S.	7. 797	— 2. 877		29		9. 670	— 0. 900	
26	P.	15. 922	— 3. 492	+0.0025	29	P.	5. 207	— 1. 087	—0.0200
27		20. 663	— 3. 480		30		16. 065	— 1. 305	
1896.					30	S.	4. 925	— 1. 120	—0.0205
Jan. 1	P.	16. 903	— 4. 673	—0.0582	July 1		7. 605	— 1. 175	
2		20. 492	— 4. 882		1	P.	4. 833	— 1. 307	—0.0170 (Assumed.)
3	K.	4. 340	— 4. 732	—0.0378	2	S.	5. 004	— 1. 341	—0.0130
3		9. 358	— 4. 922		3		9. 525	— 1. 400	
3	S.	16. 704	— 5. 240	—0.0152	12	L.	5. 748	— 2. 840	—0.0051
4		20. 180	— 5. 293	+0.0255	13		9. 890	— 2. 860	
4		2. 178	— 5. 140	—0.0189	14	K.	5. 440	— 2. 680	—0.0090 (Assumed.)
4		10. 552	— 5. 298		16	L.	5. 458	— 3. 050	—0.0135
7	P.	16. 930	— 7. 115	—0.0220	17		9. 890	— 3. 110	
8		21. 700	— 7. 220		17	K.	14. 562	— 2. 944	—0.0140 (Assumed.)
9	K.	16. 540	— 7. 603	+0.0049	18	P.	9. 890	— 3. 097	—0.0258
10		2. 190	— 7. 556	+0.0062	18		12. 905	— 3. 175	
10		4. 762	— 7. 540		22	P.	8. 475	— 3. 870	
11	P.	5. 207	— 8. 340	+0.0300	22	P.	5. 877	— 4. 013	—0.0034
11		8. 310	— 8. 247		23		9. 987	— 4. 027	
13	L.	4. 762	— 8. 770	—0.0518	24	P.	6. 347	— 4. 383	—0.0097
13		8. 145	— 8. 945		25		10. 145	— 4. 420	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.	Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1896. July 26	P.	h 6.605	s — 4.825	s — 0.0057	1896. Aug. 20	K.	h 8.425	s — 8.465	s — 0.0220 (Assumed.)
27		10.477	— 4.847		24	L.	19.690	— 10.560	— 0.0265
28	L.	9.700	— 5.040	— 0.0140 (Assumed.)	24		23.010	— 10.648	
28	P.	6.213	— 5.203	— 0.0216	24	K.	8.018	— 10.508	— 0.0464
29		10.240	— 5.290		25		12.517	— 10.717	— 0.0169
30	L.	9.525	— 5.365	— 0.0114	25		23.602	— 10.905	
30		11.730	— 5.390		25	P.	8.133	— 11.167	— 0.0393
31	L.	6.473	— 5.447	— 0.0055	26		12.790	— 11.350	— 0.0222
31		7.563	— 5.453		26		1.317	— 11.627	
Aug. 3	K.	5.260	— 6.192	— 0.0062	27	L.	1.673	— 12.037	
3		7.180	— 6.204	— 0.0178	27	K.	8.152	— 11.998	— 0.0327
4		10.890	— 6.270		28		13.410	— 12.170	— 0.0098
4	P.	6.497	— 6.500	— 0.0033	28		23.332	— 12.267	— 0.0383
5		10.480	— 6.513		28		1.943	— 12.367	
5	L.	7.180	— 6.666	— 0.0324	28	P.	9.525	— 12.605	— 0.0250
6		10.480	— 6.773		29		12.640	— 12.683	— 0.0298
6	K.	7.180	— 6.654	— 0.0002	29		3.547	— 13.127	
7		10.792	— 6.655		30	P.	3.910	— 13.717	— 0.0300 (Assumed.)
7	P.	7.400	— 6.872	— 0.0219	30	L.	9.715	— 13.750	— 0.0613
8		10.050	— 6.930		31		12.640	— 13.923	— 0.0260
10	L.	11.040	— 7.143	— 0.0160 (Assumed.)	31		5.313	— 14.357	
10	K.	6.953	— 6.980	— 0.0130	Sept. 31	S.	9.890	— 14.247	— 0.0556
11		11.320	— 7.037	+ 0.0076	1		12.640	— 14.400	— 0.0166
11		22.380	— 6.953		1		5.822	— 14.686	
11	P.	7.563	— 6.963	— 0.0120 (Assumed.)	2	L.	8.102	— 15.478	— 0.0665
12	L.	7.256	— 7.022	— 0.0115	3		13.095	— 15.810	— 0.0263
13		11.703	— 7.073		3		22.400	— 16.055	
14	K.	13.708	— 6.928	— 0.0081	7	S.	19.045	— 18.225	— 0.0386
14		22.180	— 6.997		7		22.020	— 18.340	
15	P.	14.870	— 7.160	— 0.0141	8	P.	22.887	— 19.090	— 0.0290 (Assumed.)
15		22.180	— 7.263		8	S.	9.987	— 18.927	— 0.0677
16	K.	15.890	— 7.068		9		12.643	— 19.107	— 0.0192
16	L.	7.563	— 7.467	— 0.0120	9		22.339	— 19.293	
17		12.380	— 7.525	— 0.0319	9	L.	9.590	— 19.890	— 0.0430
17		17.552	— 7.690		10		13.783	— 20.070	— 0.0312
17	K.	7.563	— 7.427	— 0.0297	10		23.018	— 20.358	
18		12.174	— 7.564		10	P.	9.700	— 20.393	— 0.0172
18	P.	9.035	— 7.990	— 0.0102	11		13.892	— 20.465	— 0.0436
19		11.687	— 8.017	— 0.0265	11		22.723	— 20.850	
19		20.790	— 8.258		17	S.	10.145	— 23.690	— 0.0023
20	L.	12.250	— 8.344	— 0.0160 (Assumed.)	18		14.435	— 23.700	
					18	S.	10.050	— 24.220	— 0.0320
					19		13.895	— 24.343	

Weight on pendulum bob diminished.

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1896. Sept. 23	S.	h 9.835	s —25.548	s —0.0489	1896. Oct. 30	K.	h 10.000	s —40.272	s —0.0011 (Assumed.)
24		13.558	—25.730		30	P.	13.100	—40.475	—0.0112
24	S.	9.993	—25.957	—0.0622	31		16.483	—40.513	—0.0088
25		13.463	—26.173		31		2.390	—40.600	
25	S.	10.060	—26.480	—0.0198	Nov. 1	B.	12.930	—40.450	—0.0893
26		13.350	—26.545		2		16.400	—40.760	
29	S.	10.700	—28.005	—0.0182	2	K.	13.145	—40.935	—0.0105
30		13.990	—28.065		3		15.520	—40.960	
Oct. 5	S.	23.764	—30.334	—0.0300 (Assumed.)	5	S.	2.290	—41.528	—0.0093
5					5		3.580	—41.540	
6	K.	11.047	—30.333	—0.0359	5	La.	14.180	—41.610	+0.0142
6		15.010	—30.475		6		16.852	—41.572	—0.0137
6	S.	10.250	—30.950	—0.0267	6		1.495	—41.690	
7		15.120	—31.080		6	P.	13.337	—41.907	—0.0566
7	P.	11.150	—31.520	—0.0270	7		17.592	—42.148	—0.0004
8		15.120	—31.627	—0.0299	7		22.890	—42.150	
8		0.820	—31.917		8	La.	13.755	—42.600	—0.0081
8	K.	10.995	—32.020	—0.0135	9		17.480	—42.630	
9		15.442	—32.080	—0.0336	9	S.	13.453	—42.873	—0.0436
9		0.881	—32.397		10		21.062	—43.205	—0.0349
14	S.	11.917	—34.503	—0.0375	10		1.820	—43.371	
15		15.120	—34.623	—0.0313	12	K.	13.620	—44.520	—0.0276
15		21.605	—34.760	+0.0119	13		17.315	—44.622	+0.0036
15		1.125	—34.718		13		22.942	—44.602	—0.0040
15	K.	11.690	—34.823	—0.0346	13		1.440	—44.612	
16		15.010	—34.938		13	B.	14.094	—45.048	—0.0077
19	S.	1.223	—36.210	+0.0060 (Assumed.)	14		17.196	—45.072	—0.0516
19					14		21.950	—45.317	—0.0105
19	K.	12.860	—36.110	—0.0696	14		0.147	—45.340	
20		14.435	—36.220		15	B.	22.330	—45.833	—0.0062
21	P.	15.932	—36.852	+0.0035	15		0.270	—45.845	
21		1.745	—36.818		15	La.	13.453	—46.200	—0.0368
21	S.	11.445	—36.875	—0.0507	16		17.802	—46.360	—0.0350
22		15.485	—37.080	—0.0212	16		22.380	—46.520	—0.0117
22		22.540	—37.230	+0.0069	16		1.355	—46.555	
22		2.483	—37.203		16	K.	13.548	—46.718	—0.0517
24	P.	16.673	—38.127	—0.0117	17		17.260	—46.910	
24		3.408	—38.252		17		1.812	Clock ran down. + 0.920	
25	S.	12.272	—38.528	—0.0356	17	P.	14.820	— 0.725	+0.0417
26		15.838	—38.655	—0.0476	18		17.647	— 0.607	—0.0015
26		0.720	—39.078	—0.0119	18		2.177	— 0.620	
26		5.416	—39.134		23	B.	18.574	+ 0.020	
26	K.	12.532	—39.130	—0.0093	23	S.	14.425	— 0.310	—0.0054
27		16.067	—39.163	—0.0389	24		18.512	— 0.332	
27		2.010	—39.550	+0.0095	25	P.	18.547	— 0.813	+0.0009
27		6.337	—39.509		25		22.260	— 0.810	
29	S.	1.590	—40.098	—0.0240 (Assumed.)					

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1896. Nov. 30	B.	h 2.505 4.610	s — 0.820 — 0.875	s — 0.0261	1896. Dec. 25	K.	h 4.710	s — 9.812	s — 0.0240 (Assumed.)
30	P.	15.050 18.560	— 1.513 — 1.560	— 0.0134	26	S.	2.180 4.612	— 10.553 — 10.580	— 0.0111
Dec. 1	S.	14.870 18.790 22.480 4.684	— 2.230 — 2.234 — 2.432 — 2.496	— 0.0010 — 0.0537 — 0.0103	27	B.	16.586 20.719 3.263 5.410 13.830	— 10.997 — 11.041 — 11.157 — 11.137 — 11.320	— 0.0107 — 0.0177 + 0.0093 — 0.0217
2	K.	5.212	— 2.875		28	K.	16.928 19.730 4.318	— 11.526 — 11.600 — 11.800	— 0.0264 — 0.0233
4	P.	15.510 19.763 5.425	— 3.250 — 3.467 — 3.565	— 0.0511 — 0.0101	29	B.	21.332 1.968 4.496	— 11.780 — 11.925 — 11.956	— 0.0313 — 0.0123
5	La.	15.496 19.308 4.316 5.930	— 3.690 — 3.702 — 3.820 — 3.845	— 0.0031 — 0.0131 — 0.0155	30	S.	16.453 20.833 3.547 4.625	— 12.186 — 12.342 — 12.483 — 12.475	— 0.0356 — 0.0210 + 0.0074
6	S.	18.665 19.725	— 3.720 — 3.765	— 0.0425	31				
7	La.	16.288 19.255 21.175 4.820	— 3.874 — 3.808 — 3.745 — 3.799	+ 0.0222 + 0.0328 — 0.0071	1897. Jan. 1	P.	17.463 21.417	— 13.233 — 13.293	— 0.0152
8	P.	16.520 18.665 22.080 5.050	— 3.900 — 3.995 — 4.030 — 4.027	— 0.0444 — 0.0103 + 0.0004	2	La.	19.200 22.060 4.555	— 15.000 — 15.026 — 15.178	— 0.0091 — 0.0234
9	K.	19.875 23.185 1.145 4.882	— 3.952 — 3.948 — 3.912 — 3.865	+ 0.0012 + 0.0184 + 0.0126	5	B.	17.792 21.140 23.238 4.540	— 15.495 — 15.635 — 15.702 — 15.677	— 0.0418 — 0.0319 + 0.0047
10	S.	0.702 4.760	— 4.290 — 4.272	+ 0.0044	6	S.	16.910 22.738 4.912	— 16.255 — 16.495 — 16.675	— 0.0412 — 0.0292
11	La.	16.030 19.195 1.872 4.435	— 4.400 — 4.378 — 4.270 — 4.318	+ 0.0070 + 0.0162 — 0.0187	7	La.	18.145 20.938 23.336 4.642 5.817	— 16.970 — 17.100 — 17.156 — 17.320 — 17.330	— 0.0465 — 0.0233 — 0.0309 — 0.0085
12	S.	0.933 4.404	— 5.053 — 5.078	— 0.0072	8	P.	1.555	— 18.275	— 0.0340 (Assumed.)
13	P.	15.937 20.207 4.523	— 5.283 — 5.440 — 5.700	— 0.0368 — 0.0313	9	La.	18.080 20.678 22.622 2.652 5.098	— 18.567 — 18.742 — 18.740 — 18.854 — 18.932	— 0.0674 + 0.0010 — 0.0283 — 0.0319
14	P.	15.450	— 6.280	— 0.0330 (Assumed.)	10	K.	17.320 2.917 4.528	— 19.210 — 19.597 — 19.618	— 0.0403 — 0.0130
15	B.	5.230	— 7.267	— 0.0220 (Assumed.)	11	B.	17.747 4.770	— 22.667 — 23.002	— 0.0304
16	K.	15.860 20.128 4.507	— 8.258 — 8.372 — 8.512	— 0.0267 — 0.0167	12	S.	17.170 23.733 4.594 8.965	— 23.350 — 23.307 — 23.402 — 23.450	+ 0.0066 — 0.0195 — 0.0110
17	B.	16.622 20.275 1.122 4.258	— 8.810 — 8.880 — 8.882 — 9.000	— 0.0192 — 0.0004 — 0.0376	13				

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897. Jan. 20	P.	h 17. 510	s —24. 250	s —0. 0640	1897. Feb. 23	La.	h 20. 377	s —43. 030	s —0. 0154
21		21. 732	—24. 520	+0. 0147	24		0. 802	—43. 098	0. 0000
21		5. 196	—24. 410	—0. 0061	24		5. 030	—43. 098	
21		11. 074	—24. 446		25	S.	10. 790	—44. 024	—0. 0091
21	K.	17. 927	—24. 947	—0. 0400	25		18. 010	—44. 090	
22		23. 130	—25. 155	+0. 0294	26	B.	10. 920	—44. 466	
22		4. 814	—24. 988	—0. 0206	26	La.	20. 287	—44. 823	—0. 0356
22		11. 529	—25. 126		27		0. 693	—44. 980	+0. 0256
22	S.	17. 747	—25. 397	—0. 0225	27		5. 622	—44. 854	—0. 0162
23		22. 543	—25. 505	—0. 0232	27		10. 326	—44. 930	
23		4. 503	—25. 643		Mar. 1	La.	10. 720	—46. 378	
24	B.	15. 035	—26. 812	—0. 0250 (Assumed.)	1	S.	21. 157	—46. 697	—0. 0475
24	S.	18. 135	—26. 575	—0. 0344	2		1. 132	—46. 886	—0. 0214
25		23. 215	—26. 750	—0. 0228	2		11. 135	—47. 100	—0. 0324
25		4. 664	—26. 874	—0. 0384	2		16. 262	—47. 266	
25		10. 805	—27. 110	—0. 0333	3	La.	9. 866	—47. 186	+0. 0003
25		15. 703	—27. 273		3		16. 496	—47. 184	
25	K.	18. 388	—27. 340	—0. 0417	8	B.	3. 387	—49. 317	—0. 0220 (Assumed.)
26		23. 260	—27. 543	—0. 0059	9	La.	21. 415	—50. 540	—0. 0258
26		4. 814	—27. 576		10		3. 814	—50. 705	—0. 0065
28	K.	18. 205	—29. 662	—0. 0307	10		10. 152	—50. 746	+0. 0054
29		23. 518	—29. 825	—0. 0148	10		15. 714	—50. 716	
29		4. 922	—29. 905		10	B.	20. 800	—50. 810	—0. 0230 (Assumed.)
29	P.	19. 700	—30. 570	—0. 0569	12	K.	6. 048	—51. 506	—0. 0364
30		23. 212	—30. 770	—0. 0226	12		10. 142	—51. 655	
30		10. 938	—31. 035		12	La.	21. 575	—51. 938	—0. 0119
Feb. 3	P.	10. 938	—33. 430		13		2. 112	—51. 992	
3	B.	18. 772	—33. 302	—0. 0153	14	S.	6. 290	—52. 773	—0. 0418
4		0. 858	—33. 395	—0. 0260	14		8. 250	—52. 855	
4		4. 967	—33. 502	—0. 0129	14	B.	21. 947	—52. 957	—0. 0150 (Assumed.)
4		10. 380	—33. 572		15	K.	21. 575	—53. 385	—0. 0186
9	K.	3. 325	—35. 498	+0. 0170	16		1. 600	—53. 460	
9		4. 972	—35. 470		16		10. 130	+13. 475	
12	P.	20. 480	—37. 395	—0. 0284	20	S.	1. 435	+10. 055	—0. 0340 (Assumed.)
13		0. 283	—37. 503	—0. 0331	21	S.	15. 642	+ 8. 740	—0. 0340 (Assumed.)
13		8. 718	—37. 782		21	B.	22. 320	+ 8. 810	—0. 0618
14	S.	5. 630	—37. 960	—0. 0199	22		2. 643	+ 8. 543	—0. 0382
14		9. 349	—38. 034		22		15. 880	+ 8. 038	
16	K.	1. 020	—38. 663	+0. 0109	23	S.	21. 830	+ 7. 090	—0. 0265
16		5. 160	—38. 618	—0. 0020	24		3. 115	+ 6. 950	—0. 0548
16		10. 240	—38. 628		24		10. 050	+ 6. 570	—0. 0480
17	S.	5. 368	—39. 140	—0. 0340	24		15. 928	+ 6. 288	+0. 0042
17		10. 666	—39. 320		24		18. 328	+ 6. 298	
18	K.	19. 607	—39. 757	—0. 0045	24	La.	21. 540	+ 6. 200	—0. 0298
19		0. 750	—39. 780	—0. 0484	25		3. 477	+ 6. 023	—0. 0260
19		5. 088	—39. 990	—0. 0120	25		10. 630	+ 5. 837	—0. 0259
19		12. 452	—40. 078		25		16. 005	+ 5. 698	
22	S.	21. 150	—42. 330	—0. 0474					
23		1. 028	—42. 514	—0. 0544					
23		5. 458	—42. 755	—0. 0169					
23		10. 380	—42. 838	—0. 0236					
23		16. 107	—42. 973						

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.	Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.		h	s	s	1897.		h	s	s
Mar. 26	K.	2.005 10.370	+ 5.055 + 4.652	—0.0482	Apr. 17	La.	4.122 10.027 15.465	—15.200 —15.257 —15.332	—0.0097 —0.0138
26	La.	21.227	+ 4.427	—0.0492	17				
27		3.265	+ 4.130	—0.0838	18	S.	10.140	—15.812	—0.0055
27		10.138	+ 3.554	—0.0316	18		15.556	—15.842	
27		15.585	+ 3.382	—0.0515	18	Br.	0.565	—15.940	—0.0456
27		21.022	+ 3.102		19		5.830	—16.180	—0.0290
28	Br.	21.650	+ 1.890	—0.0733	19		11.242	—16.337	—0.0011
29		3.242	+ 1.480	—0.0843	19		16.487	—16.343	
29		10.030	+ 0.908	—0.0095	19	B.	0.423	—16.290	—0.0094
29		16.100	+ 0.850		20		3.845	—16.322	
30	K.	9.990	+ 0.292	—0.0353	20	K.	10.372	—16.505	—0.0136
30		16.045	+ 0.078		20		16.028	—16.582	—0.0280
31	La.	2.262	— 0.242	—0.0194	20		17.742	—16.630	
31		9.992	— 0.392		20	S.	23.733	—16.633	—0.0224
Apr. 31	B.	22.980	— 0.902	—0.0278	21		4.500	—16.740	—0.0354
1		1.965	— 0.985	—0.0467	21		10.042	—16.936	+0.0030
1		10.598	— 1.388	—0.0292	21		16.022	—16.918	
1		15.870	— 1.542		21	B.	0.593	—16.923	—0.0106
1	K.	22.528	— 1.930	—0.0427	22		3.910	—16.958	—0.0145
2		9.992	— 2.420	—0.0429	22		10.135	—17.048	+0.0017
2		16.240	— 2.688		22		15.912	—17.038	+0.0047
2	S.	21.700	— 2.893	—0.0354	22		19.770	—17.020	
3		2.704	— 3.070	—0.0473	22	K.	0.565	—16.885	—0.0529
3		9.180	— 3.376	—0.0314	23		4.000	—17.067	+0.0014
3		15.620	— 3.578		23		10.372	—17.058	—0.0384
4	Br.	0.090	— 4.940	—0.0606	23		15.835	—17.268	
5		3.454	— 5.144	—0.0537	23	La.	1.070	—17.360	—0.0503
5		15.815	— 5.808		24		4.453	—17.530	—0.0292
6	K.	10.598	— 6.355	—0.0372	24		9.938	—17.690	
6		16.048	— 6.558		26	Br.	5.130	—18.562	—0.0410
7	S.	16.273	— 7.642	—0.0400	26		14.990	—18.966	
9	K.	10.370	— 9.220	(Assumed.)	26	La.	0.423	—18.827	—0.0035
10	La.	3.770	—10.145	(Assumed.)	27		4.183	—18.840	
10		15.940	—10.510	— 0.0300	27	K.	10.522	—18.932	—0.0137
11	S.	8.727	—11.657	—0.0460	27		15.835	—19.005	
11		16.230	—12.002		27	S.	23.647	—19.197	—0.0374
12	Br.	10.598	—12.828	—0.0594	28		4.457	—19.377	+0.0188
12		15.988	—13.148		28		10.042	—19.272	—0.0281
12	K.	2.435	—13.270	—0.0444	28		16.024	—19.440	
13		10.250	—13.617	—0.0381	28	B.	0.593	—19.443	—0.0186
13		16.050	—13.838		29		6.610	—19.555	—0.0258
		Weight on pendulum bob diminished.			29		10.372	—19.652	—0.0181
15	B.	4.618	—14.578	—0.0153	29		15.692	—19.748	
15		11.199	—14.679	—0.0311	May 3	Br.	16.270	—22.182	—0.0160
15		15.728	—14.820		3	K.	0.620	—21.897	(Assumed.)
15	K.	0.855	—14.865	—0.0255	5				(Assumed.)
16		4.190	—14.950		5	S.	12.860	—22.370	—0.0547
					5		16.115	—22.548	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.	Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897. May		h	s	s	1897. May		h	s	s
5	B.	0.423	—22.370	—0.0164	26	La.	1.555	—32.205	—0.0216
6		6.410	—22.468		27		5.957	—32.300	—0.0125
6		15.346	—22.464	+0.0004	27		15.718	—32.422	
6	K.	0.565	—22.470	—0.0029	27	K.	2.395	—32.475	—0.0319
7		7.567	—22.490	+0.0013	28		5.372	—32.570	
7		15.008	—22.480		28	La.	2.185	—32.880	—0.0249
7	La.	1.250	—22.567	+0.0169	29		6.008	—32.975	—0.0160
8		6.756	—22.474	—0.0072	29		15.767	—33.131	
8		15.263	—22.535		31	Br.	14.662	—34.588	—0.0240 (Assumed.)
9	S.	10.020	—22.792	—0.0230 (Assumed.)	June 1	K.	15.692	—34.848	
13	B.	13.100	—24.955		1	S.	1.675	—35.160	—0.0247
13	K.	3.290	—25.000	—0.0696	2		7.140	—35.295	—0.0485
14		6.335	—25.212		2		15.370	—35.694	
15	S.	5.003	—25.637	—0.0609	3	B.	16.075	—36.075	—0.0190 (Assumed.)
15		15.408	—26.270		4	La.	5.160	—36.720	—0.0364
16	S.	14.338	—26.640	—0.1223	5		15.874	—37.110	
16		15.875	—26.828		6	S.	10.322	—37.430	
16	Br.	1.012	—26.925	—0.0303	9	S.	12.800	—38.683	—0.0345
17		4.968	—27.045	—0.0460	9		15.470	—38.775	
17		14.382	—27.478	—0.0008	9	K.	6.710	—38.765	—0.0215
17		16.888	—27.480		10		14.801	—38.939	
17	K.	1.590	—27.288	—0.0367	10	B.	3.300	—35.772	—0.0516
18		4.968	—27.412	—0.0437	11		5.685	—35.895	+0.0196
18		15.798	—27.885	—0.0398	11		14.612	—35.720	+0.0229
18		17.987	—27.972		11		16.712	—35.672	
18	S.	1.550	—27.985	—0.0168	12	La.	8.030	—35.398	+0.0225
19		5.764	—28.056	—0.0121	12		15.720	—35.225	
19		15.660	—28.176	—0.0382	13	S.	16.170	—34.467	+0.0320 (Assumed.)
19		19.225	—28.312		13	K.	3.487	—34.107	+0.0293
19	B.	3.290	—28.530	—0.0030	14		7.312	—33.995	+0.0344
20		5.272	—28.536	—0.0198	14		15.835	—33.702	+0.0372
20		15.501	—28.739	—0.0379	14		17.560	—33.638	
20		20.457	—28.927		14	Br.	2.960	—33.340	+0.0373
21	Br.	15.508	—29.528	+0.0099	15		5.913	—33.230	
21		20.548	—29.478		15	S.	5.170	32.510	+0.0314
21	La.	1.970	—29.465	—0.0372	16		7.307	—32.443	
22		5.468	—29.595	—0.0377	18	K.	22.340	—31.075	+0.0200 (Assumed.)
22		15.422	—29.970	—0.0135	18	La.	4.510	—30.950	+0.0269
22		22.485	—30.065		19		7.852	—30.860	
24	Br.	6.490	—30.838	—0.0192	20	S.	23.896	—30.246	
24		23.285	—31.160		20	Br.	3.797	—30.193	+0.0067
24	K.	2.030	—31.230	—0.0203	21		7.233	—30.170	+0.0285
25		7.350	—31.338	—0.0457	21		15.135	—29.945	+0.0663
25		15.276	—31.700	+0.0033	21		23.965	—29.360	
25		0.283	—31.670						
25	S.	1.505	—31.655	—0.0236					
26		5.160	—31.740	—0.0421					
26		15.368	—32.170						

TABLE VII.—*Adopted Corrections and Rates of Standard Sidercal Clock—Continued.*

Date.	Ob- server.	Sidercal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidercal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897. June		h	s	s	1897. July		h	s	s
21	K.	5. 830	—24. 310	—0. 0784	21	S.	1. 938	—13. 890	+0. 0680 (Assumed.)
22		7. 170	—24. 415	—0. 0516	21	L.	5. 747	—13. 827	+0. 0667
22		15. 692	—24. 855	—0. 0399	22		9. 722	—13. 562	+0. 0636
22		0. 587	—25. 210		22		2. 498	—12. 496	
22	S.	3. 380	—25. 283	—0. 0343	22	K.	5. 195	—12. 090	+0. 0569
23		12. 413	—25. 593	—0. 0771	23		9. 987	—11. 817	
23		15. 875	—25. 860	—0. 0296	23	La.	4. 225	—10. 480	+0. 0681
23		1. 320	—26. 140		24		9. 835	—10. 098	
23	B.	3. 750	—26. 130	—0. 0341	Weight on pendulum bob increased.				
24		15. 468	—26. 530		24	S.	1. 468	— 8. 998	+0. 0887
24	K.	3. 485	—26. 860	+0. 0019	24		4. 378	— 8. 740	
25		7. 652	—26. 852	—0. 0198	25	r	5. 538	— 7. 855	+0. 0370 (Assumed.)
25		15. 535	—27. 008		27	S.	5. 875	— 6. 080	+0. 0467
25	La.	4. 470	—27. 040	—0. 0712	28		14. 005	— 5. 700	
26		7. 348	—27. 245	—0. 0391	Weight on pendulum bob increased.				
26		16. 058	—27. 585		28	B.	5. 570	— 5. 360	—0. 0111
29	S.	4. 116	—30. 160	+0. 0139	29		12. 038	— 5. 432	
30		9. 870	—30. 080		29	K.	5. 898	— 5. 130	—0. 0098
July					30		9. 987	— 5. 170	
1	K.	5. 163	—30. 687	—0. 0383	30	La.	6. 198	— 4. 824	—0. 0174
2		7. 852	—30. 790		31		9. 987	— 4. 890	
2	La.	4. 493	—31. 040	—0. 0455	Aug.	1	Br.	5. 785	— 4. 208
3		7. 570	—31. 180		2		11. 591	— 4. 177	+0. 0053
4	S.	11. 650	—31. 354	—0. 0120 (Assumed.)	2	L.	6. 450	— 3. 898	+0. 0149
5	Br.	11. 117	—31. 748		3		11. 668	— 3. 820	
5	L.	5. 336	—32. 172	—0. 0107	5	K.	7. 480	— 2. 855	+0. 0018
6		9. 338	—32. 215	—0. 0201	6		15. 828	— 2. 840	
6		12. 227	—32. 273		6	La.	6. 808	— 2. 652	+0. 0004
6	S.	5. 704	—17. 374	—0. 0223	7		11. 322	— 2. 650	+0. 0085
7		14. 720	—17. 575		7		16. 980	— 2. 602	
7	L.	5. 057	—18. 143	—0. 0635	8	L.	17. 868	— 2. 952	
8		9. 102	—18. 400	—0. 0075	8	Br.	6. 893	2. 777	—0. 0069
8		14. 162	—18. 438		9		13. 090	—2. 820	
8	K.	4. 965	—18. 898	—0. 0861	9	L.	6. 962	—2. 758	+0. 0021
9		7. 973	—19. 157		10		10. 790	—2. 750	
9	La.	5. 090	—19. 810	—0. 0320 (Assumed.)	10	La.	6. 982	—2. 455	—0. 0075
11	S.	14. 150	—20. 490	—0. 1059	11		11. 618	—2. 490	
11		16. 360	—20. 724		11	B.	7. 182	—2. 370	+0. 0041
12	L.	5. 500	—21. 845	—0. 0339	12		12. 067	—2. 350	—0. 0009
13		11. 240	—22. 040	—0. 0342	12		21. 060	—2. 358	
13		19. 275	—22. 315		12	K.	6. 168	—2. 345	+0. 0022
13	K.	4. 965	—22. 400	—0. 0232	13		11. 623	—2. 333	—0. 0035
14		10. 145	—22. 520	—0. 0415	13		22. 678	—2. 372	
14		20. 460	—22. 948		13	La.	6. 788	—2. 105	—0. 0022
14	La.	4. 495	—23. 072	—0. 0200	14		11. 442	—2. 115	+0. 0066
15		9. 897	—23. 180	—0. 0047			0. 210	—2. 030	
15		21. 550	—23. 235						
18	S.	0. 165	—25. 630						

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.	Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897. Aug. 15	Br.	h 7.002	s -1.785	s +0.0111	1897. Sept. 10	La.	h 9.987	s +5.993	s +0.0225
16		1.380	-1.582		11		12.530	+6.050	
16	L.	7.245	-1.530	+0.0083	13	B.	22.340	+7.400	+0.0612
17		12.440	-1.487	+0.0050	13		1.085	+7.568	
		1.762	-1.420		14	L.	14.440	+7.693	+0.0116
17	La.	7.125	-1.070	+0.0211	14		22.177	+7.783	+0.0271
18		13.780	-0.930		14		2.212	+7.892	
19	B.	3.890	-0.492		15	S.	22.397	+8.147	+0.0522
19	K.	7.480	-0.632	-0.0014	15		2.522	+8.362	
20		13.090	-0.640	+0.0143	15	B.	10.050	+8.760	+0.0164
20		4.488	-0.420		16		14.005	+8.825	
21	La.	5.650	-0.175		17	K.	5.320	+9.500	
23	L.	7.610	+0.140	-0.0017	17	La.	9.835	+9.495	+0.0162
24		12.262	+0.132		18		13.548	+9.555	+0.0045
24	La.	7.563	+0.533		18		21.345	+9.590	+0.0192
25	B.	8.840	+0.967	-0.0042	18		6.213	+9.760	
26		12.935	+0.950		19	S.	5.358	+9.808	
27	La.	13.548	+1.155	+0.0120 (Assumed.)	20	L.	13.548	+9.682	+0.0121
27	B.	7.480	+1.360	0.0010	20		7.842	+9.902	
28		12.522	+1.355		20	K.	9.983	+9.977	-0.0199
30	L.	7.563	+1.993	+0.0203	21		12.850	+9.920	
31		14.157	+2.127		21	S.	9.416	+9.956	-0.0135
31	La.	10.050	+2.440	+0.0231	22		13.780	+9.897	
Sept. 1		13.788	+2.526		23	K.	9.715	+9.522	-0.0361
2	B.	14.000	+2.870	+0.0280	24		13.453	+9.387	
2	S.	7.563	+3.100	+0.0061	24	La.	9.715	+9.402	-0.0037
3		14.991	+3.145		25		13.548	+9.388	
3	La.	7.480	+3.350	+0.0143	26	L.	9.715	+8.988	+0.0044
4		12.935	+3.428	+0.0067	27		13.548	+9.005	
4		18.326	+3.464		27	B.	9.932	+9.355	-0.0103
5	S.	18.294	+3.404	+0.0070 (Assumed.)	28		13.337	+9.320	
6	S.	19.146	+3.590	+0.0070 (Assumed.)	28	S.	9.602	+9.176	-0.0261
6	L.	9.890	+4.103	+0.0046	29		14.424	+9.050	
7		13.620	+4.120	+0.0053	29	L.	9.935	+8.885	-0.0186
7		20.852	+4.158		30		13.548	+8.818	+0.0117
7	S.	7.563	+4.683	+0.0142	30		0.702	+8.948	
8		13.548	+4.768	+0.0042	Oct. 30	K.	9.932	+9.060	0.0199
8		20.740	+4.798		1		13.548	+8.988	-0.0184
8					1		16.922	+8.926	+0.0307
8					1		22.043	+8.083	
8	B.	9.590	+5.150	+0.0195	2	La.	1.612	+9.325	-0.0050 (Assumed.)
9		13.788	+5.232	+0.0221	3	B.	19.693	+9.217	+0.0327
9		21.496	+5.402		3		0.830	+9.385	
9	L.	9.437	+5.407	+0.0223	3	K.	10.470	+9.238	-0.0194
10		12.935	+5.485	-0.0038	4		13.882	+9.172	-0.0078
10		22.642	+5.448		4		20.570	+9.120	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897. Oct.		h	s	s	1897. Nov.		h	s	s
4	La.	10. 610	+ 9. 037	—0. 0023	3	L.	12. 648	+14. 022	—0. 0071
5		13. 620	+ 9. 030	—0. 0563	4		15. 760	+14. 000	—0. 0316
5		21. 203	+ 8. 603	+0. 0003	4		23. 600	+13. 752	+0. 0248
5		0. 690	+ 8. 604		4		5. 245	+13. 892	
5	S.	10. 240	+ 8. 800	—0. 0073	4	Br.	14. 180	+14. 220	+0. 0348
6		14. 783	+ 8. 767	—0. 0443	5		16. 432	+14. 298	—0. 0083
6		21. 854	+ 8. 454	+0. 0318	5		0. 648	+14. 230	+0. 0352
6		0. 970	+ 8. 553		5		5. 242	+14. 392	
6	L.	11. 730	+ 8. 440	—0. 0272	5	La.	13. 620	+14. 830	+0. 0022
7		14. 783	+ 8. 357	—0. 0267	6		15. 932	+14. 835	+0. 0234
7		22. 910	+ 8. 140	—0. 0010	6		1. 465	+15. 058	+0. 0064
7		0. 830	+ 8. 138		6		4. 928	+15. 080	
7	K.	11. 282	+ 8. 252	—0. 0065	9	B.	3. 900	+16. 244	+0. 0531
8		14. 227	+ 8. 233		9		5. 805	+16. 345	
8	La.	11. 607	+ 8. 163	—0. 0386	9	S.	14. 005	+16. 300	+0. 0040
9		15. 000	+ 8. 032	+0. 0024	10		19. 010	+16. 320	—0. 0071
9		0. 525	+ 8. 055		10		5. 135	+16. 248	
11	L.	1. 230	+ 7. 280	+0. 0060 (Assumed.)	11	L.	5. 120	+16. 165	
12	Br.	0. 385	+ 7. 275	—0. 0216	12	K.	5. 842	+16. 822	
12		3. 395	+ 7. 210		12	Po.	13. 175	+16. 655	—0. 0039
12	S.	10. 676	+ 7. 678	—0. 0105	13		18. 315	+16. 635	+0. 0094
13		15. 038	+ 7. 632	—0. 0097	13		4. 770	+16. 733	—0. 0117
13		1. 247	+ 7. 533	+0. 0267	13		9. 480	+16. 678	
13		4. 052	+ 7. 608		14	K.	14. 282	+16. 868	
13	L.	12. 290	+ 7. 625	—0. 0201	15	La.	13. 548	+17. 092	—0. 0044
14		14. 282	+ 7. 585	+0. 0010	16		16. 735	+17. 078	+0. 0111
14		0. 622	+ 7. 595	+0. 0170	16		9. 855	+17. 268	
14		5. 168	+ 7. 672		16	S.	12. 170	+17. 130	+0. 0220
14	K.	11. 907	+ 7. 917	—0. 0212	17		17. 180	+17. 240	—0. 0082
15		14. 512	+ 7. 862	—0. 0103	17		5. 365	+17. 140	+0. 0220
15		23. 190	+ 7. 773	+0. 0273	17		10. 088	+17. 244	
15		5. 678	+ 7. 950		17	L.	13. 548	+17. 150	—0. 0041
15	B.	11. 972	+ 8. 125	—0. 0421	18		17. 995	+17. 132	—0. 0015
16		14. 707	+ 8. 010	+0. 0097	18		5. 242	+17. 115	+0. 0055
16		0. 790	+ 8. 108	+0. 0179	18		11. 208	+17. 148	
16		5. 655	+ 8. 195		18	K.	13. 708	+17. 342	—0. 0237
17	S.	6. 312	+ 8. 288	+0. 0060 (Assumed.)	19		16. 965	+17. 265	—0. 0195
18	K.	0. 830	+ 8. 332		19		5. 242	+17. 025	
29	Br.	14. 180	+11. 500	+0. 0244	19	Br.	12. 910	+16. 898	—0. 0149
30		18. 773	+11. 612		20		17. 472	+16. 830	+0. 0010
31	S.	20. 747	+12. 295	+0. 0190 (Assumed.)	20		5. 628	+16. 842	
Nov. 2	B.	21. 978	+13. 492	+0. 0115	20	S.	11. 608	+16. 998	—0. 0040 (Assumed.)
2		5. 630	+13. 580		22	B.	14. 918	+16. 870	—0. 0010
2	S.	11. 570	+13. 476	—0. 0009	23		5. 522	+16. 855	
3		16. 078	+13. 472	+0. 0075	23	S.	13. 780	+16. 690	—0. 0285
3		22. 502	+13. 520	+0. 0201	24		18. 525	+16. 555	—0. 0090
3		5. 810	+13. 667		24		5. 556	+16. 456	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.		h	s	s	1897.		h	s	s
Nov. 26	Po.	13. 760	+14. 960	—0. 0132	Dec. 26	L.	15. 865	+ 6. 605	—0. 0288
27		18. 920	+14. 892	+0. 0228	27		21. 258	+ 6. 450	—0. 0358
27		4. 367	+15. 107	+0. 0309	27		5. 495	+ 6. 155	
27		6. 405	+15. 170		27	La.	15. 920	+ 6. 295	—0. 0174
29	K.	21. 436	+14. 798	—0. 0072	28		21. 505	+ 6. 108	—0. 0145
29		5. 268	+14. 742		28		4. 960	+ 6. 090	
29	La.	14. 700	+14. 678	—0. 0134	28	S.	17. 190	+ 5. 485	—0. 0299
30		18. 130	+14. 632	+0. 0140	29		20. 705	+ 5. 380	
30		21. 922	+14. 685	—0. 0123	29	L.	15. 865	+ 4. 718	—0. 0561
30		5. 665	+14. 590		30		20. 970	+ 4. 432	—0. 0282
Dec. 30	S.	14. 227	+14. 443	—0. 0316	30		0. 308	+ 4. 338	—0. 0233
1		19. 385	+14. 280	—0. 0347	30		5. 708	+ 4. 212	
1		23. 855	+14. 125	—0. 0094	1898.				
1		5. 482	+14. 072		Jan. 3	L.	4. 588	— 0. 072	—0. 0450 (Assumed.)
1	L.	14. 665	+13. 982	+0. 0062	3	Br.	16. 685	— 1. 100	—0. 0938
2		19. 155	+14. 010		4		21. 215	— 1. 525	—0. 0852
5	L.	14. 622	+13. 378	+0. 0006	4		5. 184	— 2. 204	
6		18. 245	+13. 380	—0. 0236	4	S.	15. 828	— 2. 982	—0. 0789
6		2. 952	+13. 175		5		20. 302	— 3. 335	—0. 0726
6	Br.	14. 828	+13. 332	—0. 0173	5		5. 572	— 4. 008	
7		18. 990	+13. 260	—0. 0207	6	K.	16. 558	— 6. 560	—0. 0655
7		4. 555	+13. 063		7		21. 598	— 6. 890	—0. 0533
7	S.	15. 575	+13. 290	—0. 0321	7		7. 018	— 7. 392	
8		22. 340	+13. 073	+0. 0021	7	Po.	18. 560	— 8. 110	—0. 0954
8		1. 735	+13. 080	0. 0000	8		22. 385	— 8. 475	—0. 0406
8		4. 733	+13. 080		8		5. 292	— 8. 755	—0. 0508
8	L.	14. 945	+12. 860	—0. 0148	8		8. 145	— 8. 900	
9		18. 662	+12. 805	—0. 0030	12	L.	18. 642	—13. 690	—0. 0068
9		5. 584	+12. 772		13		21. 565	—13. 710	—0. 0382
9	K.	16. 430	+12. 920	+0. 0076	13		6. 000	—14. 032	
10		19. 314	+12. 942	—0. 0030	16	S.	15. 234	—16. 238	
10		5. 490	+12. 912		16	Br.	18. 187	—16. 383	—0. 0416
11	Po.	20. 197	+12. 840	—0. 0080	17		5. 720	—16. 863	
11		1. 227	+12. 800		17	L.	16. 900	—17. 388	—0. 0199
12	S.	8. 425	+12. 548		18		21. 922	—17. 488	—0. 0403
15	S.	1. 485	+11. 915	+0. 0020	18		6. 202	—17. 822	
15		5. 008	+11. 922	—0. 0090	20	L.	5. 826	—19. 412	—0. 0340 (Assumed.)
15		11. 924	+11. 860		21	K.	5. 325	—19. 768	—0. 0264
15	Br.	15. 932	+11. 798	—0. 0323	21		7. 563	—19. 827	
16		19. 430	+11. 685	—0. 0047	23	K.	18. 210	—20. 602	—0. 0319
16		4. 968	+11. 640	+0. 0008	24		21. 905	—20. 720	—0. 0088
16		11. 535	+11. 645		24		5. 325	—20. 785	—0. 0022
17	K.	12. 932	+11. 395		24		7. 622	—20. 790	
17	B.	15. 688	+11. 272	—0. 0217	25	S.	19. 770	—20. 960	—0. 0582
18		19. 010	+11. 200	—0. 0016	26		21. 660	—21. 070	+0. 0113
18		13. 580	+11. 170		26		1. 015	—21. 032	—0. 0240
23	B.	4. 877	+ 8. 853		26		6. 190	—21. 156	
23	K.	15. 998	+ 8. 668	—0. 0301	26	B.	18. 578	—21. 188	—0. 0035
24		19. 658	+ 8. 558	—0. 0071	27		0. 335	—21. 208	—0. 0190
24		5. 252	+ 8. 490		27		6. 229	—21. 320	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.		h	s	s	1898.		h	s	s
Jan. 27	L.	18. 613	—21. 600	—0. 0227	Feb. 25	B.	20. 722	—20. 185	—0. 0073
28		22. 805	—21. 695	—0. 0068	26		2. 500	—20. 227	—0. 0191
28		1. 450	—21. 713	—0. 0313	26		12. 654	—20. 421	
28		5. 665	—21. 845		27	S.	1. 070	—20. 510	—0. 0060
29	La.	2. 138	—21. 578	—0. 0009	27		3. 913	—20. 527	
29		4. 310	—21. 580		27	L.	20. 520	—20. 882	—0. 0040
30	S.	2. 864	—22. 004	—0. 0200 (Assumed.)	28		0. 983	—20. 900	—0. 0015
Feb. 2	S.	6. 412	—23. 488	—0. 0200 (Assumed.)	28		4. 770	—20. 958	—0. 0212
2	L.	18. 942	—23. 772	—0. 0147	28	Br.	20. 058	—21. 126	—0. 0028
3		23. 215	—23. 835	—0. 0460	Mar. 1		1. 024	—21. 140	+0. 0229
3		6. 228	—24. 082		1		6. 264	—21. 020	—0. 0069
3	K.	18. 730	—24. 180	—0. 0128	1		13. 225	—21. 068	
4		22. 482	—24. 228	—0. 0032	2	S.	6. 885	—21. 205	—0. 0064
4		5. 278	—24. 250	—0. 0444	2		12. 670	—21. 242	
4		7. 870	—24. 365		2	L.	20. 115	—21. 302	—0. 0099
5	Po.	7. 610	—24. 370	—0. 0568	3		0. 980	—21. 350	—0. 0139
5		9. 777	—24. 493		3		7. 820	—21. 445	
6	S.	5. 420	—24. 462	—0. 0263	4	K.	8. 892	—21. 288	—0. 0055
6		9. 228	—24. 562		4		12. 865	—21. 310	
6	K.	18. 658	—24. 660	—0. 0210	4	Po.	19. 620	—21. 288	+0. 0003
7		22. 935	—24. 750	+0. 0521	5		1. 642	—21. 286	+0. 0295
7		5. 305	—24. 418	+0. 0110	5		9. 368	—21. 058	—0. 0424
7		10. 378	—24. 362		5		12. 670	—21. 198	
8	La.	5. 375	—18. 695	—0. 0464	6	S.	10. 075	—21. 035	
8		11. 415	—18. 975		7	K.	1. 303	—20. 800	+0. 0148
8	Po.	19. 735	—19. 510	—0. 0137	7		11. 128	—20. 655	+0. 0458
9		0. 480	—19. 575	—0. 0357	7		12. 592	—20. 588	
9		11. 885	—19. 982	—0. 0749	7	La.	21. 237	—20. 570	+0. 0187
9		13. 420	—20. 097		8		1. 245	—20. 495	—0. 0020
9	L.	19. 020	—20. 390	—0. 0526	8		12. 516	—20. 518	
10		0. 283	—20. 667	—0. 0387	9	S.	1. 638	—20. 152	—0. 0188
10		12. 830	—21. 152		9		12. 170	—20. 350	
10	K.	19. 202	—21. 258	—0. 0394	10	L.	13. 405	—20. 050	+0. 0130 (Assumed.)
11		0. 455	—21. 465		12	B.	12. 433	—19. 160	+0. 0147
13	S.	14. 033	—17. 530	+0. 0016	12		15. 835	—19. 110	
13		15. 863	—17. 527		13	S.	16. 410	—18. 740	
13	L.	19. 700	—17. 603	—0. 0035	13	L.	21. 097	—18. 793	+0. 0092
14		23. 962	—17. 618		14		1. 245	—18. 755	+0. 0015
15	S.	19. 200	—17. 138	—0. 0032	14		17. 742	—18. 730	
16		0. 480	—17. 155	—0. 0202	14	Br.	21. 140	—18. 620	—0. 0350
16		12. 712	—17. 402		15		0. 565	—18. 740	
16	L.	19. 318	—17. 460	—0. 0043	17	L.	1. 245	—18. 970	—0. 0184
17		23. 962	—17. 480		17		12. 380	—19. 175	
22	S.	19. 328	—19. 415	—0. 0036	19	S.	2. 155	—18. 900	—0. 0133
23		0. 318	—19. 433	—0. 0198	19		12. 670	—19. 040	
23		12. 670	—19. 678						
23	L.	20. 360	—19. 848	—0. 0209					
24		1. 723	—19. 960						

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.		h	s	s	1898.		h	s	s
Mar. 24	K.	22.907	—20.067	—0.0391	Apr. 20	L.	23.000	—22.130	+0.0093
25		1.925	20.185	—0.0085	21		4.374	—22.080	+0.0015
25		12.500	20.275		21		12.270	—22.068	—0.0126
					21		16.248	—22.118	
31	L.	2.652	—21.548	0.0375	26	S.	0.060	—21.570	—0.0302
31		8.892	—21.782	—0.0401	27		12.130	—21.935	
31		12.458	—21.925						
Apr. 31	K.	23.223	—21.747	—0.0105	28	L.	12.270	—22.352	
1		2.838	—21.785	—0.0196					
1		9.470	—21.915	—0.0017	29	K.	9.613	—22.373	
1		12.500	—21.920		29	Po.	0.423	—22.373	—0.0032
1	Po.	21.707	—21.933	—0.0028	30		5.140	22.388	+0.0395
2		3.750	—21.950	+0.0166	30		11.059	—22.154	+0.0026
2		9.896	21.848	+0.0099	30		16.430	—22.140	
2		12.516	—21.822						
3	S.	10.662	21.950		May 1	S.	11.877	—21.918	+0.0232
5	La.	12.300	—21.868		1		16.397	—21.813	
5	S.	22.146	—22.160	—0.0027	2	K.	12.270	—21.648	+0.0100
6		3.790	—22.175	—0.0266					(Assumed.)
6		12.692	—22.412	+0.0054	3	La.	6.622	—21.402	+0.0094
6		16.410	—22.392		3		12.130	—21.350	
6	L.	23.733	22.457	+0.0019	8	S.	18.395	—21.978	
7		3.447	—22.450	—0.0067					
7		12.652	—22.512	—0.0100	8	Br.	1.024	—21.964	—0.0174
7		15.662	—22.542		9		5.266	—22.038	—0.0084
7					9		12.208	—22.096	—0.0022
7	K.	22.748	—22.360	—0.0170	9		16.248	—22.105	+0.0112
8		2.270	—22.420	—0.0112	9		18.652	—22.078	
8		12.772	—22.538	+0.0055					
8		16.380	—22.518		9	L.	0.825	—21.970	—0.0198
8	B.	0.060	—22.280	—0.0084	10		4.468	—22.042	—0.0228
9		4.840	—22.320	—0.0405	10		12.270	—22.220	—0.0399
9		12.340	—22.624	+0.0177	10		16.200	—22.377	+0.0387
9		15.835	—22.562		10		20.125	—22.225	
11	Po.	22.685	—22.468	+0.0067	11	S.	11.875	—22.290	—0.0172
12		3.878	—22.433	—0.0015	11		16.632	—22.372	+0.0326
12		12.564	—22.446	—0.0084	11		20.920	—22.232	
12		16.617	—22.480	—0.0335					
12		19.600	—22.580		11	L.	2.030	—22.340	—0.0185
12	S.	22.625	—22.315	+0.0107	12		5.064	—22.396	—0.0151
13		4.680	—22.250		12		16.248	—22.565	
15	Br.	23.166	—22.634	—0.0109	12	K.	4.244	—22.348	—0.0240
16		5.038	—22.698	—0.0150	13		12.670	—22.550	—0.0195
16		12.376	—22.808	—0.0025	13		16.260	—22.620	+0.0124
16		16.307	—22.818		13	Po.	0.423	—22.460	—0.0014
17	S.	12.672	—22.928	0.0005	14		5.287	—22.467	
17		16.465	—22.930						
17	K.	0.620	—22.650	+0.0166	15	L.	1.925	—22.560	+0.0171
18		4.968	—22.578		16		5.443	—22.500	—0.0355
19	B.	23.873	—21.933	+0.0027	16		16.376	—22.888	
20		4.770	—21.920	—0.0216					
20		12.021	—22.077		16	La.	1.970	—22.672	—0.0041
					17		5.135	—22.685	—0.0201
					17		12.000	—22.823	+0.0088
					17		16.338	—22.785	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898. May		h	s	s	1898. June		h	s	s
17	S.	1. 640	—22. 630	—0. 0119	9	B.	2. 640	—20. 150	+0. 0057
18		5. 012	—22. 670	—0. 0139	10		7. 050	—20. 125	+0. 0179
18		13. 295	—22. 785	—0. 0121	10		13. 307	—20. 013	+0. 0419
18		16. 360	—22. 822		10		16. 102	—19. 896	
18	L.	1. 250	—22. 743	—0. 0100	10	Po.	7. 615	—19. 950	+0. 0449
19		5. 140	—22. 782	—0. 0090	11		13. 290	—19. 695	+0. 0288
19		16. 338	—22. 890		11		16. 170	—19. 612	—0. 0012
19	Po.	1. 020	—22. 690	+0. 0149	11		0. 295	—19. 622	
20		6. 392	—22. 610		12	S.	1. 012	—19. 110	
23	Br.	1. 970	—22. 082	+0. 0095	12	Br.	3. 367	—19. 210	—0. 0244
24		6. 932	—22. 035	—0. 0080	13		5. 830	—19. 270	+0. 0232
24		16. 338	—22. 110		13		16. 325	—19. 027	
24	S.	1. 445	—21. 990	+0. 0096	13	La.	1. 640	—18. 723	+0. 0107
25		7. 665	—21. 930	—0. 0046	14		7. 345	—18. 662	+0. 0312
25		16. 338	—21. 970		14		13. 670	—18. 465	+0. 0255
26	B.	3. 800	—21. 650	—0. 0245	14		16. 254	—18. 399	
27		6. 332	—21. 712	—0. 0183	14	S.	1. 925	—18. 390	+0. 0159
27		10. 042	—21. 780	—0. 0427	15		7. 570	—18. 300	
27		15. 996	—22. 034		19	Br.	3. 740	—17. 308	+0. 0131
27	Po.	1. 970	—22. 042	+0. 0009	20		8. 545	—17. 245	—0. 0029
28		6. 537	—22. 038	—0. 0116	20		16. 348	—17. 268	
28		10. 662	—22. 086	—0. 0077	21	L.	13. 840	—17. 080	—0. 0247
28		16. 390	—22. 130		21		16. 510	—17. 146	
30	K.	12. 500	—21. 880	+0. 0077	21	S.	4. 030	—16. 933	—0. 0186
30		16. 115	—21. 852		22		9. 525	—17. 035	—0. 0166
30	La.	1. 640	—21. 817	—0. 0105	22		16. 338	—17. 148	
31		5. 752	—21. 860	+0. 0104	22	L.	4. 098	—17. 030	+0. 0005
31		12. 500	—21. 790	—0. 0028	23		8. 154	—17. 028	—0. 0038
31		16. 020	—21. 800		23		16. 510	—17. 060	
June 31	S.	1. 890	—21. 678	—0. 0041	23	K.	4. 098	—16. 952	—0. 0274
1		6. 270	—21. 696	—0. 0194	24		7. 567	—17. 047	+0. 0051
1		13. 965	—21. 845	—0. 0113	24		9. 938	—17. 035	—0. 0038
1		16. 170	—21. 870		24		16. 445	—17. 060	
2	La.	2. 897	—21. 533	+0. 0063	24	Po.	3. 885	—16. 878	—0. 0072
3		5. 912	—21. 514	+0. 0035	25		7. 615	—16. 905	+0. 0173
3		16. 205	—21. 478		25		11. 380	—16. 840	
5	S.	16. 270	—21. 405	—0. 0168	26	K.	4. 030	—16. 100	+0. 0021
5		18. 598	—21. 444		27		7. 848	—16. 092	+0. 0046
5	L.	2. 830	—21. 220	—0. 0013	27		13. 307	—16. 067	—0. 0003
6		6. 630	—21. 225	—0. 0142	27		16. 357	—16. 068	
6		16. 115	—21. 360	—0. 0024	27	Br.	4. 267	—15. 823	+0. 0274
6		19. 518	—21. 368		28		7. 660	—15. 730	
6	Br.	2. 830	—21. 125	+0. 0111	28	S.	4. 580	—15. 120	+0. 0212
7		6. 875	—21. 080	—0. 0072	29		9. 400	—15. 018	—0. 0102
7		16. 360	—21. 148	+0. 0370	29		15. 455	—15. 080	+0. 0485
7		20. 228	—21. 005		29		16. 693	—15. 020	
7	S.	2. 780	—20. 855	+0. 0129	29	L.	4. 212	—14. 755	+0. 0087
8		7. 028	—20. 800	+0. 0079	30		8. 020	—14. 722	+0. 0037
8		21. 932	—20. 682		30		16. 150	—14. 692	
8	L.	3. 723	—20. 700	+0. 0240	July 30	K.	4. 232	—14. 272	+0. 0204
9		7. 132	—20. 618	+0. 0132	1		9. 722	—14. 160	+0. 0072
9		16. 080	—20. 500	+0. 0119	1		16. 980	—14. 108	
9		22. 660	—20. 422						

TABLE VII.—*Adopted Corrections and Rates of Standard Sidercal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898. July		h	s	s	1898. Aug.		h	s	s
1	B.	4.650	—13.642	+0.0115	3	L.	6.830	—2.262	+0.0220
2		9.688	—13.584	+0.0248	4		10.462	—2.182	
2		18.000	—13.378		4	K.	7.487	—1.803	+0.0294
3	S.	14.010	—12.835	—0.0013	5		11.573	—1.683	+0.0115
3		19.222	—12.842		5		1.028	—1.528	
6	L.	5.125	—11.110	+0.0057	6	Br.	13.095	—1.520	+0.0254
7		8.662	—11.090	+0.0079	6		0.896	—1.220	
7		23.188	—10.975		7	S.	2.215	—0.882	
7	K.	5.200	—10.690	+0.0016	7	K.	7.485	—0.770	+0.0051
8		10.130	—10.682	+0.0102	8		3.050	—0.670	
8		0.558	—10.535		15	Br.	6.927	+0.167	+0.0177
9	Po.	10.210	—10.512	+0.0127	16		13.022	+0.275	
9		0.734	—10.328		16	K.	7.563	+0.523	+0.0155
10	S.	13.665	—10.105	+0.0053	17		12.530	+0.600	
10		1.590	—10.042		17	Br.	7.423	+0.603	+0.0258
10	K.	4.490	—9.925	—0.0038	18		13.247	+0.753	
11		16.250	—9.970		19	B.	7.563	+1.380	+0.0076
15	B.	5.440	—9.123	+0.0068	20		13.780	+1.427	
16		10.278	—9.090		21	Br.	12.637	+1.307	+0.0256
17	L.	5.195	—8.630	+0.0133	21		14.320	+1.350	
18		9.715	—8.570		21	K.	7.563	+1.587	+0.0155
19	S.	5.252	—7.615	+0.0206	22		13.550	+1.680	
20		10.353	—7.510		22	Ia.	7.480	+1.940	+0.0065
20	L.	5.195	—7.325	0.0000	23		13.605	+1.980	
21		9.525	—7.325		23	B.	7.480	+2.290	+0.0055
23	L.	11.990	—6.405	+0.0179	24		12.935	+2.320	—0.0099
23		1.670	—6.160		24		15.972	+2.290	+0.0207
25	K.	10.105	—5.612	—0.0098	24		1.483	+2.487	
25		12.770	—5.638		25	K.	7.480	+2.800	+0.0060
25	Ia.	6.307	—5.313	+0.0120 (Assumed.)	26		14.180	+2.840	—0.0033
27	L.	7.563	—4.800	+0.0047	26		18.130	+2.827	
28		16.145	—4.760		26	B.	7.610	+3.205	+0.0124
28	K.	6.328	—4.510	+0.0184	27		13.268	+3.275	—0.0022
29		10.290	—4.437	+0.0091	27		19.220	+3.262	
29		17.658	—4.370		28	Ia.	21.040	+3.477	
29	B.	5.682	—4.088	+0.0178	29	Br.	7.860	+3.466	+0.0098
30		10.178	—4.008	—0.0134	30		13.148	+3.518	—0.0083
30		18.698	—4.122		30		19.297	+3.467	+0.0522
31	L.	6.652	—3.408	+0.0234	30		21.750	+3.595	
Aug. 1		11.690	—3.290	+0.0115	30	Ia.	7.480	+3.868	+0.0074
1		20.548	—3.188		31		13.148	+3.910	+0.0090
1	Br.	6.670	—3.043	+0.0233	31		23.540	+4.004	
2		10.578	—2.952		31	Br.	7.480	+3.765	+0.0154
3	Ia.	11.743	—2.388	+0.0073	Sept. 1		13.772	+3.862	+0.0256
3		23.190	—2.304		1		0.178	+4.128	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898. Sept. 1	K.	h 7.480	s +4.450	s +0.0190	1898. Sept. 26	L.	h 14.545	s +7.468	s -0.0241
2		13.375	+4.562	-0.0048	26		22.132	+7.285	
2		0.933	+4.507		26	K.	10.477	+7.540	+0.0074
2	B.	7.724	+4.792	+0.0075	27		14.788	+7.572	+0.0100
3		13.830	+4.838	+0.0217	27		22.608	+7.650	
3		1.812	+5.098		27	S.	9.832	+7.585	-0.0147
5	K.	3.398	+5.748		28		15.085	+7.508	-0.0023
5	B.	9.720	+5.890	+0.0139	28		23.872	+7.488	
6		13.462	+5.942	+0.0227	28	L.	10.275	+7.475	-0.0191
6		4.775	+6.290		29		14.468	+7.395	-0.0202
6	K.	9.897	+6.223	+0.0237	29		0.535	+7.192	
7		5.150	+6.680		29	K.	10.790	+7.440	-0.0097
7	L.	9.448	+6.495	+0.0203	30		14.698	+7.402	+0.0052
8		13.780	+6.583	+0.0083	30		1.353	+7.457	
8		6.268	+6.720		30	B.	9.935	+7.538	-0.0130
8	K.	10.145	+6.995	+0.0181	Oct. 1		14.005	+7.485	
9		14.285	+7.070		5	S.	5.868	+7.630	
9	B.	7.778	+7.318	-0.0005	5	L.	11.600	+7.565	+0.0150
10		14.005	+7.315		6		14.740	+7.612	-0.0107
10	S.	8.156	+7.406		6		0.122	+7.512	+0.0207
11					6		6.878	+7.652	
12	L.	9.445	+7.355	-0.0049	6	K.	11.038	+7.843	-0.0100
12		13.548	+7.335	-0.0085	7		14.637	+7.807	
12		0.180	+7.245		9	L.	10.690	+7.715	-0.0220
12	K.	10.240	+7.380	+0.0084	10		14.782	+7.625	
13		13.830	+7.410		10	Br.	10.240	+7.540	+0.0024
16	K.	20.458	+7.050	+0.0281	11		14.425	+7.550	
16		23.728	+7.142		11	S.	10.985	+7.610	-0.0085
16	B.	10.023	+7.200	-0.0141	12		15.920	+7.568	+0.0013
17		14.060	+7.143	+0.0130	12		1.015	+7.580	
17		20.888	+7.232	+0.0204	12	L.	11.907	+7.283	-0.0335
17		23.728	+7.290		13		15.285	+7.170	-0.0041
18	K.	9.832	+7.235	+0.0095	13		1.015	+7.130	
19		14.022	+7.275	+0.0148	14	B.	10.892	+7.030	-0.0393
19		20.458	+7.370	+0.0404	15		15.832	+6.836	
19		23.728	+7.502		16	K.	11.907	+6.280	-0.0369
20	L.	14.425	+7.455	+0.0079	17		16.108	+6.125	
20		23.915	+7.530		18	S.	11.907	+5.693	-0.0461
21	S.	14.425	+7.825	-0.0188	19		16.436	+5.484	-0.0240
21		0.150	+7.642		19		5.542	+5.170	
23	K.	14.400	+7.703	-0.0271	19	L.	11.907	+5.143	-0.0378
23		18.830	+7.583	+0.0261	20		16.902	+4.954	+0.0091
23		23.317	+7.700		20		5.660	+5.070	
23	B.	9.718	+7.732	+0.0063	21	Br.	14.323	+5.090	+0.0011
24		14.515	+7.762	0.0122	22		16.192	+5.092	+0.0305
24		20.005	+7.695	+0.0218	22		20.458	+5.222	+0.0200
24		1.153	+7.807		22		5.524	+5.404	
25	S.	21.060	+7.450						

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.	Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.		h	s	s	1898.		h	s	s
Oct. 23	S.	21. 510	+5. 470		Nov. 11	B.	13. 455	+10. 268	+0. 0178
23	L.	12. 262	+5. 562	—0. 0088	12		17. 495	+10. 340	+0. 0049
24		16. 115	+5. 528	+0. 0056	12		21. 600	+10. 360	+0. 0153
24		22. 918	+5. 566	+0. 0295			5. 572	+10. 482	
24		5. 660	+5. 765		14	L.	20. 967	+10. 270	+0. 0123
24	Br.	12. 262	+5. 810	—0. 0176	14		5. 532	+10. 375	
25		15. 277	+5. 757	+0. 0103	14	La.	13. 548	+10. 555	—0. 0022
25		5. 784	+5. 906		15		18. 135	+10. 545	+0. 0035
26	S.	0. 082	+ 6. 175	+0. 0434	15		20. 988	+10. 555	+0. 0266
		5. 155	+ 6. 395		15		1. 315	+10. 670	
26	L.	12. 290	+ 6. 340	+0. 0168	18	B.	14. 433	+10. 650	—0. 0427
27		16. 460	+ 6. 410	—0. 0217	19		16. 703	+10. 553	—0. 0166
27		0. 832	+ 6. 228	+0. 0346	19		21. 222	+10. 478	+0. 0101
27		5. 660	+ 6. 395		19		5. 320	+10. 560	
27	K.	12. 290	+ 6. 790	—0. 0273	20	S.	22. 054	+10. 660	+0. 0110
28		16. 498	+ 6. 675	+0. 0116					(Assumed.)
28		1. 735	+ 6. 782		20	K.	14. 282	+10. 820	—0. 0124
30	S.	3. 946	+ 7. 020		21		17. 740	+10. 777	—0. 0063
30	K.	12. 035	+ 7. 130	—0. 0006	21		20. 930	+10. 757	+0. 0045
31		17. 460	+ 7. 127	+0. 0093	21		22. 720	+10. 765	+0. 0450
31		4. 942	+ 7. 234		21		5. 430	+11. 067	
Nov. 31	La.	12. 637	+ 7. 290	—0. 0054	22	S.	14. 180	+11. 230	+0. 0397
1		16. 715	+ 7. 268	+0. 0148	23		17. 658	+11. 368	
1		5. 655	+ 7. 460		24	Br.	1. 848	+11. 312	+0. 0008
1	S.	12. 598	+ 7. 372	—0. 0050	24		5. 658	+11. 315	
2		16. 585	+ 7. 352	+0. 0072	24	K.	14. 042	+11. 362	—0. 0060
2		5. 778	+ 7. 447		25		18. 177	+11. 337	—0. 0141
2					25		21. 160	+11. 295	—0. 0256
2					25		2. 160	+11. 167	
2	L.	12. 765	+ 7. 560	—0. 0192	27	S.	4. 667	+10. 413	—0. 0090
3		16. 820	+ 7. 482	+0. 0193				Clock set.	(Assumed.)
3		6. 568	+ 7. 748		29	S.	15. 283	— 7. 347	—0. 0382
3	K.	13. 515	+ 8. 055	+0. 0290	30		17. 850	— 7. 445	—0. 0002
4		16. 622	+ 8. 145	+0. 0019	30		5. 868	— 7. 448	+0. 0061
4		5. 793	+ 8. 170	—0. 0184	30		8. 492	— 7. 432	
4		7. 963	+ 8. 130		30	L.	14. 472	— 7. 512	—0. 0213
4	La.	14. 180	+ 8. 270	+0. 0356	Dec. 1		17. 665	— 7. 580	—0. 0088
5		16. 992	+ 8. 370		1		8. 178	— 7. 708	
6	S.	10. 170	+ 8. 864		1	K.	13. 710	— 7. 400	—0. 0070
6									(Assumed.)
6	L.	13. 045	+ 8. 760	+0. 0299	5	La.	9. 105	— 7. 778	
7		16. 655	+ 8. 868	+0. 0032	6	Br.	8. 890	— 8. 205	+0. 0232
7		5. 708	+ 8. 910		6		11. 480	— 8. 145	
7	Br.	13. 453	+ 8. 870	+0. 0014	6	S.	14. 522	— 8. 125	—0. 0305
8		17. 040	+ 8. 875		7		19. 215	— 8. 268	—0. 0150
8	S.	11. 015	+ 9. 368	—0. 0070	7		0. 890	— 8. 353	—0. 0102
9		16. 690	+ 9. 328		7		8. 890	— 8. 435	+0. 0122
10	K.	13. 780	+10. 013	+0. 0364	7		12. 248	— 8. 394	
11		17. 457	+10. 147	+0. 0232	7	L.	15. 473	— 8. 573	—0. 0056
11		20. 815	+10. 225	—0. 0038	8		18. 515	— 8. 590	—0. 0154
11		5. 532	+10. 192		8		8. 890	— 8. 812	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	HourlyRate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	HourlyRate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898. Dec. 8	K.	h 14.967	s — 8.565	s — 0.0144	1899. Jan. 7	Br.	h 15.894 17.610	s — 12.652 — 12.655	s — 0.0017
9	B.	14.190 19.243 8.890	— 8.860 — 9.063 — 9.315	— 0.0402 — 0.0185	10	Ei.	5.660 8.400	— 12.978 — 13.053	— 0.0274
10					10	Br.	17.098 21.565	— 13.220 — 13.100	+ 0.0269
12	Ei.	15.937 19.493	— 10.387 — 10.440	— 0.0149 — 0.0062	11				
13		5.508 8.890	— 10.502 — 10.525	— 0.0068	14	L.	5.343 7.868	— 14.243 — 14.240	+ 0.0012
13	S.	14.618 19.325	— 10.695 — 10.875	— 0.0382 — 0.0183	14				
14		1.320 5.540	— 10.985 — 11.000	— 0.0036	18	S.	1.943	— 13.680	
14	L.	14.862 19.260	— 11.250 — 11.422	— 0.0391 — 0.0138	19	L.	3.332 7.842	— 13.542 — 13.472	+ 0.0155
15		1.840 7.698	— 11.513 — 11.494	+ 0.0032	19	K.	17.595 21.385	— 13.212 — 13.262	— 0.0132 + 0.0011
15					20		3.580 5.252	— 13.255 — 13.242	+ 0.0078
15	K.	16.160 20.272	— 11.415 — 11.490	— 0.0182 — 0.0119	20	Br.	18.535 22.144	— 13.355 — 13.388	— 0.0091 — 0.0026
16		5.540 8.727	— 11.600 — 11.713	— 0.0355	21		4.610 7.540	— 13.405 — 13.430	— 0.0085
16	B.	21.825 5.658	— 11.725 — 11.758	— 0.0042 — 0.0235	21				
17		8.727	— 11.830		22	S.	1.745 5.545	— 13.500 — 13.408	+ 0.0242 — 0.0097
17					22		13.460	— 13.485	
18	S.	22.725	— 12.100		23	La.	0.860 6.050	— 13.265 — 13.155	+ 0.0212 — 0.0315
22	K.	15.835 19.152	— 12.098 — 12.058	+ 0.0121 — 0.0097	23		7.540	— 13.202	
23		2.348 5.257	— 12.128 — 12.080	+ 0.0165 + 0.0181	24	L.	18.395 21.528	— 13.348 — 13.300	+ 0.0153 — 0.0120
23		12.970	— 11.940		25		5.430 7.785	— 13.395 — 13.298	+ 0.0412
24	B.	4.405 7.242	— 11.930 — 11.922	+ 0.0028	25	Br.	18.670 22.144	— 13.310 — 13.284	+ 0.0075 — 0.0011
24					26		5.170 8.607	— 13.292 — 13.293	— 0.0003
25	S.	4.802	— 11.975		26	K.	18.012 22.223	— 13.108 — 13.063	+ 0.0107 — 0.0169
26	Br.	5.616	— 11.986		27		5.563 7.673	— 13.187 — 13.137	+ 0.0237
27	Ei.	9.238	— 12.035	— 0.0030 (Assumed.)	27				
27	S.	15.780 20.640	— 12.170 — 12.178	— 0.0016	29	La.	18.358 23.530	— 13.696 — 13.720	— 0.0046
28					30				
29	Ei.	5.660 8.890	— 12.322 — 12.352	— 0.0093	31	S.	18.910 0.135	— 14.222 — 14.223	— 0.0002 — 0.0181
29	B.	16.218 19.623	— 12.378 — 12.357	+ 0.0062	1		7.705 13.968	— 14.360 — 14.505	— 0.0231
30					2	L.	7.842	— 15.005	
1899. Jan. 6	La.	15.280	— 12.580		3	K.	15.430	— 15.262	
6	Ei.	16.742 20.102	— 12.580 — 12.582	— 0.0006 + 0.0155	3	Br.	19.032 23.000	— 15.565 — 15.650	— 0.0214 + 0.0015
7		6.050 7.640	— 12.428 — 12.457	— 0.0182	4		5.797 7.500	— 15.640 — 15.777	— 0.0805

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1899. Feb.		h	s	s	1899. Mar.		h	s	s
8	L.	19. 166	—16. 884	+0. 0045	31	B.	22. 320	—17. 262	+0. 0203
9		0. 068	—16. 862	—0. 0446	1		2. 360	—17. 180	+0. 0050
9		7. 540	—17. 195		1		14. 708	—17. 118	+0. 0009
19	Ei.	20. 362	—23. 050	—0. 0200	1		18. 222	—17. 115	
20		23. 865	—23. 120		2	La.	22. 968	—16. 725	—0. 0024
21	Br.	8. 015	—22. 960	+0. 0060 (Assumed.)	3		2. 267	—16. 733	+0. 0159
22	S.	7. 567	—22. 860		3		14. 035	—16. 545	
22	L.	19. 930	—22. 750	+0. 0060 (Assumed.)	4	Ei.	5. 227	—16. 580	+0. 0179
23	K.	19. 668	—22. 455	+0. 0250	4		14. 998	—16. 405	
24		1. 395	—22. 312	+0. 0061	4	S.	21. 328	—16. 350	+0. 0052
24		7. 488	—22. 275	+0. 0244	5		3. 120	—16. 320	—0. 0027
24		9. 945	—22. 215		5		14. 135	—16. 350	
24	Ei.	19. 930	—22. 153	+0. 0040	5	L.	0. 100	—16. 295	+0. 0221
25		1. 640	—22. 130	+0. 0154	6		3. 177	—16. 227	
25		8. 152	—22. 030	—0. 0107	7	B.	22. 707	—15. 537	—0. 0119
25		10. 945	—22. 060		8		14. 312	—15. 722	
27	La.	7. 788	—21. 798	+0. 0022	9	La.	23. 530	—15. 350	+0. 0027
27		12. 382	—21. 788		10		3. 298	—15. 340	+0. 0219
27	Br.	20. 482	—21. 975	+0. 0085	10		14. 195	—15. 102	
28		0. 593	—21. 940	—0. 0114	10	L.	0. 060	—15. 290	+0. 0178
28		7. 788	—22. 022		11		4. 678	—15. 208	+0. 0034
Mar. 5	Ei.	18. 598	—21. 235		11		14. 843	—15. 173	
5	La.	21. 008	—21. 172	+0. 0115	12	S.	14. 498	—14. 785	
6		3. 290	—21. 100		12	Ei.	0. 565	—14. 500	—0. 0355
15	L.	21. 405	—20. 410	+0. 0116	13		3. 606	—14. 608	+0. 0149
16		2. 090	—20. 356	—0. 0190	13		14. 325	—14. 448	
16		13. 970	—20. 582		16	S.	7. 302	—14. 158	
16	K.	21. 370	—20. 077	+0. 0033	16	La.	0. 043	—14. 087	+0. 0168
17		1. 640	—20. 063	+0. 0108	17		3. 863	—14. 023	+0. 0135
17		4. 682	—20. 030		17		7. 788	—13. 970	+0. 0248
20	La.	7. 782	—19. 552	—0. 0034	17		14. 435	—13. 805	+0. 0099
20		14. 522	—19. 575		17		16. 150	—13. 788	
21	Br.	1. 970	—19. 655	+0. 0070 (Assumed.)	17	Ei.	0. 355	—13. 765	+0. 0141
22	Ei.	22. 227	—19. 110	+0. 0032	18		3. 335	—13. 723	+0. 0230
23		1. 970	—19. 098	+0. 0180	18		9. 470	—13. 582	—0. 0124
23		9. 725	—18. 958	+0. 0126	18		14. 540	—13. 645	
23		14. 178	—18. 902		19	See	5. 340	—13. 510	+0. 0080
23	K.	21. 388	—18. 888	+0. 0084	19		10. 352	—13. 470	+0. 0079
24		1. 890	—18. 850	+0. 0056	19		14. 757	—13. 435	—0. 0510
24		11. 130	—18. 798	+0. 0120	19		16. 913	—13. 545	
24		14. 282	—18. 760		19	L.	23. 310	—13. 563	+0. 0128
25	B.	14. 543	—18. 603		20		4. 382	—13. 498	—0. 0059
28	S.	22. 033	—18. 000	+0. 0302	20		10. 135	—13. 532	—0. 0095
29		3. 163	—17. 845	—0. 0021	20		14. 880	—13. 577	
29		14. 214	—17. 868		21	Br.	5. 258	—13. 485	+0. 0078
29	L.	22. 033	—17. 870	—0. 0154	21		11. 028	—13. 530	+0. 0147
30		1. 925	—17. 930		21		15. 328	—13. 467	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1899. Apr. 21	B.	h 0.032	s -13.177	s +0.0011	1899. May 13	B.	h 14.195	s -12.222	s +0.0123
22		4.622	-13.172	-0.0190	13		16.948	-12.188	
22		11.865	-13.310	+0.0363	14	S.	7.083	-12.227	-0.0169
22		14.427	-13.217	-0.0047	14		9.035	-12.260	
22		16.150	-13.225		14	La.	1.070	-12.250	-0.0285
23	S.	12.712	-13.378		15		5.212	-12.368	+0.0303
23	La.	0.195	-13.518	-0.0153	15		7.848	-12.288	+0.0182
24		4.580	-13.585	+0.0360	15		14.327	-12.170	-0.0208
24		13.420	-13.267	-0.0184	15		16.734	-12.220	
24		15.872	-13.312		15	Ei.	2.490	-12.215	-0.0121
24	Ei.	0.068	-13.300	+0.0097	16		4.965	-12.245	-0.0034
25		5.540	-13.247		16		15.840	-12.282	
26	See	11.450	-13.222	+0.0382	18	K.	1.550	-12.170	-0.0021
26		14.435	-13.108	+0.0114	19		5.370	-12.178	-0.0120
26		16.283	-13.087		19		13.843	-12.280	-0.0150
26					19		16.850	-12.325	
26	L.	0.565	-13.055	+0.0045	19	B.	1.070	-12.290	-0.0142
27		4.965	-13.035	-0.0020	20		5.860	-12.358	-0.0112
27		16.023	-13.057		20		12.752	-12.435	-0.0188
27					20		16.858	-12.512	
27	Br.	0.565	-13.035	+0.0050	21	S.	13.102	-12.830	-0.0100
28		4.404	-13.016	+0.0175	22	La.	17.068	-13.122	(Assumed.)
28		14.096	-12.846	+0.0028	23	Br.	5.627	-13.443	-0.0166
28		16.982	-12.838		23		14.368	-13.588	-0.0241
28	B.	0.423	-12.513	+0.0076	23		16.948	-13.650	
29		4.098	-12.485	-0.0079	24	See	6.497	-13.673	-0.0136
29		14.195	-12.565	+0.0123	24		13.652	-13.770	0.0406
29		16.230	-12.540	-0.0082	24		16.439	-13.883	
29		18.060	-12.555		24	L.	1.643	-13.920	-0.0021
30	S.	19.678	-12.380		25		5.007	-13.927	-0.0254
30	La.	0.565	-12.245	+0.0280	25		14.368	-14.165	-0.0085
May 1		5.200	-12.115	+0.0036	25		17.068	-14.188	
1		14.435	-12.082		25	Ei.	1.970	-14.015	-0.0100
1	B.	0.565	-11.875	+0.0155	26		5.680	-14.052	-0.0036
2		4.622	-11.812	+0.0067	26		13.440	-14.080	-0.0142
2		15.688	-11.738	-0.0432	26		17.670	-14.140	
2		17.820	-11.830		27	La.	5.465	-14.340	+0.0111
3	L.	0.565	-11.410	-0.0030	27		14.435	-14.240	-0.0333
4		4.578	-11.422	-0.0244	27		16.147	-14.297	+0.0214
4		14.435	-11.662	-0.0091	27		18.900	-14.238	
4		17.278	-11.688		28	Br.	16.620	-14.330	-0.0043
8	Br.	1.045	-11.960	-0.0035	28		20.130	-14.345	
9		5.060	-11.974	-0.0042	28	B.	2.267	-14.017	-0.0035
9		14.190	-12.012	+0.0024	29		5.370	-14.028	+0.0147
9		17.152	-12.005		29		21.062	-13.798	
10	See	5.272	-12.102	+0.0002	June 1	L.	2.380	-12.703	+0.0007
10		13.840	-12.100		2		6.625	-12.700	+0.0045
11	L.	4.965	-12.235	-0.0156	2		16.267	-12.657	
11		14.368	-12.382	-0.0217	2	B.	0.812	-12.256	+0.0153
11		16.788	-12.478		3		5.465	-12.185	+0.0090
11	K.	1.245	-12.285	+0.0011	3		14.005	-12.108	+0.0364
12		5.648	-12.280		3		16.562	-12.015	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidercal Clock*—Continued.

Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.	Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.
SIX-INCH TRANSIT CIRCLE.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899. June 13	Ei.	h 16. 370	s -6. 556	s . .	1899. June 29	Br.	h. 16. 952 1. 380	s -0. 378 -0. 248	s +0. 0154
14	See	6. 953	-6. 460	+0. 0302	29	K.	4. 958	-0. 120	+0. 0280
14		10. 265	-6. 360	+0. 0131	30		7. 563	-0. 047	+0. 0262
14		16. 012	-6. 285	+0. 0356	30		16. 408	+0. 185	+0. 0029
14		17. 557	-6. 230				1. 085	+0. 210	
14	L.	3. 750	-6. 067	+0. 0104	30	B.	4. 988	+0. 348	+0. 0297
15		7. 300	-6. 030	+0. 0208	1		9. 168	+0. 472	+0. 0165
15		16. 600	-5. 837		1		15. 887	+0. 583	+0. 0051
16	K.	7. 427	-5. 403	. .	1		17. 253	+0. 590	+0. 0095
16	Ei.	12. 346	-5. 272	+0. 0217	1		1. 353	+0. 667	
16		16. 862	-5. 174		2	La.	4. 122	+0. 880	+0. 0459
18	S.	13. 925	-4. 653	+0. 0042	3		8. 200	+1. 067	+0. 0195
18		1. 370	-4. 605		3		14. 005	+1. 180	+0. 0144
18	La.	3. 995	-4. 625	-0. 0030	3		16. 442	+1. 215	+0. 0017
19		9. 036	-4. 640	+0. 0372	5	See	15. 155	+2. 172	+0. 0392
19		14. 365	-4. 442	-0. 0532	5		16. 940	+2. 242	
19		16. 208	-4. 540	+0. 0185	6	Br.	5. 340	+2. 585	+0. 0385
19		0. 855	-4. 380		7		10. 145	+2. 770	+0. 0167
19	Br.	4. 487	-4. 680	+0. 0360	7		17. 517	+2. 893	
20		7. 903	-4. 557	+0. 0465	9	La.	4. 958	+3. 968	+0. 0123
20		15. 038	-4. 225	-0. 0632	10		7. 570	+4. 000	+0. 0171
20		18. 280	-4. 430		10		17. 062	+4. 162	
21	S.	16. 018	-3. 830	+0. 0162	10	Ei.	5. 365	+4. 265	+0. 0320
21		17. 255	-3. 810	+0. 0173	11		9. 835	+4. 408	+0. 0245
21		1. 370	-3. 670		11		14. 005	+4. 510	+0. 0007
21	L.	4. 022	-3. 810	+0. 0213	11		17. 062	+4. 512	+0. 0016
22		8. 018	-3. 725	+0. 0253	11		1. 370	+4. 525	
22		17. 222	-3. 492		12	See	9. 000	+4. 665	+0. 0279
22	K.	5. 110	-3. 223	+0. 0272	12	L.	4. 958	+4. 852	+0. 0300
23		7. 610	-3. 155	+0. 0294					(Assumed.)
23		16. 702	-2. 888	-0. 0038	13	K.	5. 290	+5. 402	+0. 0300
23		18. 530	-2. 895						(Assumed.)
23	B.	4. 958	-2. 688	+0. 0583	14	B.	5. 155	+5. 810	+0. 0300
24		8. 662	-2. 472	+0. 0088					(Assumed.)
24		13. 455	-2. 430	+0. 0472	16	La.	5. 212	+6. 492	+0. 0256
24		16. 368	-2. 358	+0. 0247	17		21. 058	+6. 898	
24		19. 515	-2. 335	+0. 0073	17	Br.	5. 674	+6. 898	+0. 0331
25	S.	21. 032	-1. 688	. .	18		10. 202	+7. 048	
25	La.	3. 800	-1. 850	+0. 0559	18		16. 430	-10. 535	+0. 0205
26		9. 310	-1. 542	+0. 0257	18		21. 448	-10. 432	
26		13. 660	-1. 430	+0. 0472	18	Ei.	5. 445	-10. 050	+0. 0440
26		16. 205	-1. 310	+0. 0089	19		11. 125	-9. 800	+0. 0175
26		22. 050	-1. 258	-0. 0566	19		1. 445	-9. 550	
26		0. 560	-1. 400		19	L.	5. 462	-9. 648	+0. 0356
27	Ei.	16. 205	-1. 045	+0. 0047	20		17. 990	-9. 202	+0. 0662
27		17. 698	-1. 038	+0. 0290	20		20. 285	-9. 050	
27		22. 805	-0. 890		20	K.	5. 460	-8. 565	+0. 0288
28	See	15. 912	-0. 690	+0. 0187	21		10. 145	-8. 430	+0. 0359
28		23. 918	-0. 540		21		19. 250	-8. 103	

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.	Date.	Ob- server.	Sidereal Hour.	Clock Cor- rection.	Hourly Rate.
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899.		h	s	s	1899.		h	s	s
July 21	B.	5.618	— 7.672	+0.0416	Sept. 4	L.	9.705	+23.080	+0.0498
22		13.952	— 7.325	+0.0322	5		13.780	+23.283	+0.0181
22		20.013	— 7.130	+0.0354	5		1.490	+23.495	
22		22.270	— 7.050		5	B.	9.825	+23.955	+0.0462
27	L.	13.580	— 3.315	+0.0214	6		13.247	+24.113	+0.0244
27		1.380	— 3.062		6		1.010	+24.400	
27	K.	6.347	— 2.767	+0.0397	6	U.	7.557	+24.403	+0.0420
28		10.050	— 2.620	+0.0336					(assumed.)
28		1.840	— 2.090		7	L.	7.557	+24.907	+0.0347
Aug. 4	Ei.	1.370	+ 3.005		8		14.425	+25.145	
5	B.	10.000	+ 3.415	+0.0477	9	B.	19.905	+26.350	+0.0353
6	La.	7.062	+ 4.842	+0.0681	9		21.465	+26.405	
7		11.820	+ 5.166	+0.0382	11	U.	15.763	+27.183	+0.0147
7		21.030	+ 5.518	+0.0301	11		21.123	+27.262	
7		1.745	+ 5.660		11	Ei.	9.712	+27.492	+0.0360
7	Ei.	6.798	+ 5.728	+0.0365	12		13.208	+27.618	+0.0204
8		11.562	+ 5.902	+0.0284	12		16.732	+27.690	+0.0204
8		20.540	+ 6.157	0.0000	12		20.410	+27.765	
8		21.543	+ 6.157		12	B.	9.438	+27.865	+0.0139
15	B.	7.478	+11.018	+0.0327	13		12.673	+27.910	+0.0229
16		11.820	+11.160	+0.0199	13		18.350	+28.040	+0.0055
16		17.738	+11.278	+0.0129	13		21.085	+28.055	
16		20.850	+11.318		13	U.	9.880	+28.127	+0.0268
17	U.	18.485	+11.548		14		15.395	+28.275	—0.0012
18	B.	7.560	+12.347	+0.0523	14		19.555	+28.270	+0.0093
19		12.170	+12.588	+0.0091	14		21.276	+28.286	
19		20.940	+12.668		15	L.	12.000	+28.348	*+0.0199
20	Br.	21.848	+13.088		15		20.358	+28.570	+0.0266
21	U.	22.000	+13.777	+0.0378	15	B.	9.825	+28.770	+0.0560
21	Br.	7.605	+14.070	+0.0355	16		13.542	+28.978	+0.0060
22		12.388	+14.240	+0.0351	16		20.932	+29.022	
22		23.785	+14.640		17	S.	22.292	+29.128	—0.0055
22	B.	7.478	+15.048	+0.0544	17		23.735	+29.120	
23		13.548	+15.378	+0.0285	18	U.	23.220	+29.288	
23		0.768	+15.698		21	U.	19.000	+29.734	*+0.0032
24	U.	22.000	+16.187	+0.0026	21		1.858	+29.834	+0.0146
25	Br.	12.000	+16.471	*+0.0353	21	L.	9.438	+29.780	—0.0019
25		3.263	+16.923	+0.0296	22		13.542	+29.772	—0.0011
30	B.	21.188	+20.440		22		0.147	+29.760	+0.0442
31	U.	20.324	+20.644		22		3.042	+29.888	
Sept. 1	Br.	7.475	+20.675	+0.0385	22	B.	9.690	+30.133	+0.0177
1		13.268	+20.898		23		13.755	+30.205	+0.0068
3	U.	8.417	+22.627	+0.0408	23		4.018	+30.302	
4		14.005	+22.855	+0.0026	24	S.	5.055	+30.432	
4		19.857	+22.870	+0.0512	26	Ei.	6.888	—29.992	
4		21.477	+22.953						

* Clock rate obtained from least square solution and used in reducing observations of the Sun and interior planets.

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock*—Continued.

Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.	Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899. Sept. 26	S.	h 9.845	s -30.002	s +0.0076	1899. Oct. 25	U.	h 16.380	s -35.715	s +0.0111
27		14.073	-29.970	-0.0213	25		7.844	-35.544	
27		1.325	-30.210	-0.0101	26	L.	15.850	-35.645	+0.0038
27		7.490	-30.272		26		10.155	-35.575	
27	U.	9.845	-30.402	+0.0130	26	B.	13.530	-35.440	+0.0122
28		14.847	-30.337	+0.0219	27		16.982	-35.398	+0.0038
28		1.240	-30.565		27		9.845	-35.372	
29	B.	9.390	-31.030	-0.0115	Nov. 1	L.	13.196	-35.372	+0.0096
30		20.295	-31.155	0.0000	2		16.008	-35.345	+0.0205
30		21.375	-31.155		2		1.025	-35.160	
Oct. 1	U.	10.155	-32.090	-0.0007	3	U.	12.933	-34.920	+0.0334
2		14.727	-32.093	-0.0263	4		16.975	-34.785	-0.0035
2		1.243	-32.370		4		1.455	-34.815	
6	B.	10.115	-35.112	-0.0042	6	Br.	13.083	-34.510	+0.0036
7		14.372	-35.130		7		18.565	-34.490	
8	La.	11.450	-36.375	-0.0235	8	U.	19.290	-31.142	
9		16.005	-36.482	0.0000	8	L.	13.558	-31.638	+0.0148
9		21.738	-36.482	-0.0176	9		16.130	-31.600	-0.0028
9		1.025	-36.540		9		20.468	-31.612	-0.0248
9	Br.	10.802	-36.852	-0.0269	9		1.025	-31.725	
10		16.670	-37.010		9	B.	14.222	-31.638	+0.0138
12	L.	20.230	-37.452		10		18.800	-31.575	+0.0136
12	Ei.	10.802	-37.498	+0.0126	10		21.528	-31.538	+0.0043
13		15.020	-37.445	+0.0028	10		1.755	-31.520	
13		21.042	-37.428		11	U.	16.380	-31.825	
13	B.	10.995	-37.430	+0.0185	12	S.	23.328	-31.850	
14		14.784	-37.360	+0.0103	12	La.	13.840	-32.208	-0.0030
14		20.016	-37.306		13		17.212	-32.218	+0.0230
17	U.	11.050	-37.440	+0.0159	13		0.418	-32.052	
18		14.200	-37.390	+0.0057	14	Br.	1.292	-32.445	
18		1.520	-37.326		15	L.	13.630	-32.503	+0.0025
18	L.	11.560	-37.365	+0.0212	16		18.790	-32.490	
19		14.630	-37.300	+0.0218	18	U.	4.705	-32.135	
19		21.500	-37.150	+0.0119	19	S.	6.340	-32.042	
19		2.535	-37.090		19	La.	14.015	-32.182	+0.0086
20	Ei.	15.000	-36.926	*+0.0616	20		17.745	-32.150	+0.0113
20		21.042	-36.755	+0.0283	20		2.000	-32.057	+0.0127
20		3.818	-36.790	-0.0052	20		6.330	-32.002	
20	B.	11.990	-36.678	+0.0340	20	Br.	14.015	-32.210	-0.0087
21		15.018	-36.575	+0.0007	21		18.612	-32.250	+0.0012
21		4.685	-36.565		21		5.637	-32.237	
22	S.	5.615	-36.348		23	L.	5.718	-32.365	-0.0019
23	La.	17.000	-36.229	*+0.0404	23		9.478	-32.372	
23		1.025	-35.930	+0.0373	24	B.	5.782	-32.202	-0.0061
23	Br.	12.305	-36.080	+0.0361	24		10.380	-32.230	
24		16.798	-35.918						

*Clock rate obtained from least square solution and used in reducing observations of the Suu and interior planets.

TABLE VII.—*Adopted Corrections and Rates of Standard Sidereal Clock—Continued.*

Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.	Date.	Ob-server.	Sidereal Hour.	Clock Cor-rection.	Hourly Rate.
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899. Nov. 25	U.	h 10. 782	s -32. 638	s	1899. Dec. 13	L.	h 15. 590	s -33. 990	s
26	S.	12. 047	-32. 980		14	La.	15. 313	-33. 603	-0. 0030
26	B.	14. 435	*-32. 885	-0. 0021	15		19. 348	-33. 615	+0. 0158
27		17. 745	-32. 892	+0. 0051	15		5. 153	-33. 460	
27		1. 025	-32. 855		15	U.	15. 968	-33. 602	+0. 0048
28	Br.	5. 688	-33. 380		16		19. 120	-33. 587	+0. 0059
28	U.	14. 517	-33. 480	-0. 0148	16		1. 380	-33. 550	+0. 0266
29		18. 570	-33. 540	-0. 0066	16		5. 592	-33. 438	
29		1. 380	-33. 585		17	S.	6. 890	-33. 618	
30	B.	14. 015	-33. 640	+0. 0021	17	La.	15. 460	-33. 623	-0. 0224
Dec. 1		17. 745	-33. 632		18		19. 168	-33. 706	+0. 0348
1	U.	14. 542	-33. 858	-0. 0018	18		1. 380	-33. 490	+0. 0013
2		18. 470	-33. 865	+0. 0116	18		7. 548	-33. 482	
2		1. 380	-33. 785		19	Br.	5. 803	-33. 520	-0. 0120
3	U.	14. 272	-33. 784	-0. 0065	19		8. 302	-33. 625	
4		18. 570	-33. 812	+0. 0073	19	U.	16. 282	-33. 640	+0. 0132
4		1. 025	-33. 765		20		19. 168	-33. 602	+0. 0100
4	Br.	14. 560	-33. 910	+0. 0081	20		1. 380	-33. 540	+0. 0047
5		19. 265	-33. 872	-0. 0188	20		5. 592	-33. 520	-0. 0077
5		1. 025	-33. 980		20		9. 205	-33. 548	+0. 0082
5	B.	15. 085	-33. 852	-0. 0023	20		13. 215	-33. 515	
6		19. 387	-33. 862	+0. 0109	20	L.	15. 695	-33. 592	-0. 0138
6		5. 670	-33. 750		21		19. 035	-33. 638	+0. 0101
6	L.	15. 565	-34. 200	+0. 0080	21		5. 542	-33. 532	-0. 0089
7		18. 826	-34. 174		21		10. 048	-33. 572	
7	B.	14. 718	-34. 140	+0. 0024	21	B.	15. 538	-33. 335	-0. 0139
8		18. 072	-34. 132	+0. 0319	22		18. 930	-33. 382	+0. 0181
8		22. 150	-34. 002	-0. 0031	22		5. 670	-33. 188	+0. 0006
8		5. 670	-34. 025		22		10. 905	-33. 185	
8	U.	15. 164	-34. 328	+0. 0085	25	La.	12. 822	-33. 680	
9		18. 470	-34. 300	+0. 0199	25	Br.	16. 485	-33. 978	-0. 0297
9		23. 100	-34. 208		26		19. 347	-34. 063	+0. 0016
10	B.	15. 313	-34. 260	+0. 0325	26		1. 530	-34. 053	+0. 0032
11		18. 790	-34. 147		26		5. 570	-34. 040	-0. 0217
12	Br.	1. 735	-34. 228	+0. 0152	26		13. 772	-34. 218	
12		5. 688	-34. 168		28	B.	15. 838	-35. 248	-0. 0343
12	U.	15. 315	-34. 165	+0. 0246	29		19. 773	-35. 383	-0. 0247
13		18. 643	-34. 083	+0. 0078	29		1. 325	-35. 520	-0. 0355
13		2. 498	-34. 022	+0. 0106	29		13. 295	-35. 945	
13		13. 105	-33. 910		29	U.	16. 380	-36. 153	-0. 0367
					30		19. 020	-36. 250	

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE.					NINE-INCH TRANSIT CIRCLE—Continued.				
1894.	h h	38° 56'	h	' "	1894.	h h	38° 56'	h	' "
		"					"		
Oct. 10	21.8- 2.1	46.69	23.9	-1 33.65	Dec. 14	5.3- 6.0	55.08	4.5	-1 41.22
11	23.6- 2.1	45.76	0.9	-1 32.65	14-15	15.0-19.8	57.86	18.4	-1 42.82
15	1.1- 2.6	49.20	0.8	-1 35.68	16-17	15.3-19.8	56.56	17.2	-1 42.25
16	1.0- 3.2	49.14	0.3	-1 35.96	17	15.8-16.0	58.23	. . .	. . .
17	1.4- 2.1	51.92	0.7	-1 37.38	17-18	16.1-19.8	60.68	18.5	-1 45.37
18	1.0- 2.4	50.15	0.6	-1 36.78	19	16.52	57.22	. . .	. . .
19	1.0- 2.4	48.84	0.8	-1 36.19	20	19.60	60.33	18.8	-1 42.81
20	1.0- 2.1	53.80	0.8	-1 40.33	20-21	15.5-19.8	57.68	18.7	-1 43.39
20	. . .	. . .	2.4	-1 40.68	21	16.9-17.5	54.07	. . .	. . .
24	1.1- 2.1	53.90	0.4	-1 39.34	22	2.4- 5.5	61.76	5.2	-1 47.35
31	1.7- 2.1	65.63	1.2	-1 51.93	1895.				
Nov. 1	1.0- 2.4	64.78	21.8	-1 50.79	Jan. 4	0.7- 1.0	54.85	. . .	. . .
2	18.0-18.5	65.53	. . .	. . .	22-23	18.6-21.7	55.37	19.5	-1 39.55
3	18.6- 1.8	67.29	19.6	-1 54.34	26	4.4- 6.3	53.85	5.7	-1 40.84
3	. . .	. . .	0.2	-1 53.46			321° 6'		
8- 9	14.2	64.1	17.7	-1 51.21			"		
9-10	13.3-17.2	65.20	14.3	-1 51.34	Feb. 26-27	19.7- 2.0	21.21	21.0	-1 33.75
11-12	13.3-17.7	65.15	16.0	-1 50.13	28	4.8- 6.0	24.48	5.6	-1 38.03
12-13	13.8-18.6	63.52	17.4	-1 50.43	Mar. 6	5.0- 7.7	29.17	6.4	-1 42.99
14	17.5-18.6	66.07	16.0	-1 51.94	8- 9	20.3- 2.0	29.32	20.8	-1 43.60
14-15	13.3-18.6	63.50	15.7	-1 48.77	9	. . .	. . .	0.0	-1 42.87
15-16	13.8-18.8	62.33	16.8	-1 47.27	18-19	21.7- 3.0	30.95	0.8	-1 44.62
16	1.7- 2.0	64.63	3.3	-1 51.28	21	11.0-11.2	34.65	. . .	. . .
19-20	13.8-18.6	58.70	17.0	-1 44.80	22	11.0-11.2	34.60	. . .	. . .
23-24	13.8-19.8	54.51	16.8	-1 40.34	28	10.7-11.2	34.65	. . .	. . .
25-26	14.2-18.6	57.34	16.6	-1 42.80	29	10.7-11.2	35.70	. . .	. . .
26-27	14.7- 4.2	57.32	17.6	-1 43.48	Apr. 2- 3	23.0- 2.0	32.90	1.8	-1 48.17
27	. . .	. . .	2.7	-1 43.20	4- 5	0.1- 3.7	34.40	1.7	-1 45.86
Dec. 2- 3	14.2-19.3	58.35	16.1	-1 43.28	9-10	0.1- 4.2	33.78	. . .	. . .
4	22.0-22.8	56.20	21.1	-1 42.75	10	13.1-15.2	39.56	13.8	-1 54.41
4- 5	14.2-19.0	58.54	15.9	-1 43.64	10	13.1-15.2	39.78	. . .	. . .
5	22.8- 0.1	60.62	0.4	-1 45.40	10-11	23.0- 3.0	34.43	2.2	-1 47.66
6- 7	15.2-18.6	59.06	20.1	-1 45.38	16-17	22.6- 4.5	35.87	2.1	-1 49.29
7	1.0- 1.7	61.40	. . .	. . .	17-18	0.1- 4.5	34.78	2.3	-1 49.09
13-14	15.5-19.8	55.83	19.	-1 42.36	18	21.7-22.5	36.90	22.4	-1 49.48
					18-19	0.1- 3.8	34.55	0.5	-1 49.14

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1895.	h h	38° 56' "	h	' "	1895.	h h	38° 56' "	h	' "
Apr. 19	14.8-15.2	35.35	. . .	. . .	Aug. 15	7.5-7.6	29.05	8.1	-1 43.29
19-20	22.3-4.2	37.68	23.7	-1 50.68	18-19	7.5-11.7	29.68	8.6	-1 43.55
20	. . .	. . .	3.5	-1 43.67	22-23	7.5-13.3	28.88	8.3	-1 43.26
22-23	0.0-5.2	34.84	5.6	-1 42.48	23	7.56	28.80	8.3	-1 41.78
23	13.3-14.8	36.45	12.9	-1 43.08	24	12.64	26.63	. .	. . .
23	0.56	37.30	1.6	-1 50.70	26	13.3-16.0	30.00	14.2	-1 42.53
24	3.99	36.00	. . .	. . .	27	23.9-1.0	24.80	. .	. . .
24-25	0.1-5.5	33.92	0.6	-1 49.86	28	17.3-18.1	29.75	16.7	-1 42.68
May 4	10.7-12.0	36.68	12.6	-1 50.57	31	20.0-20.5	27.80	19.7	-1 40.92
4	13.5-15.2	35.46	. . .	. . .	Sept. 2	22.0-1.0	27.81	23.1	-1 41.25
4	13.5-15.2	35.60	. . .	. . .	3	22.0-23.0	26.95	21.0	-1 40.23
8-9	1.1-5.3	34.54	3.9	-1 49.83	3	0.1-1.3	23.50	. .	. . .
9	14.8-15.2	31.27	15.6	-1 44.34	4	22.8-23.9	22.35	22.6	-1 36.54
21-22	1.8-7.2	32.80	2.8	-1 46.74	11	5.0-6.0	21.97	6.3	-1 35.85
22	. . .	. . .	6.0	-1 46.91	13	7.5-8.1	23.53	. .	. . .
23	5.5-6.7	31.34	6.1	-1 45.28	16-17	9.4-14.8	23.07	14.3	-1 37.45
27-28	2.0-7.6	32.27	5.3	-1 46.40	20	0.9-1.0	21.55	0.1	-1 35.30
June 1	12.0-13.3	28.80	12.7	-1 44.11	20	9.84	25.25	. .	. . .
5-6	3.8-7.6	35.10	6.3	-1 49.39	21	14.16	27.67	14.0	-1 38.87
6	13.1-17.1	29.60	. . .	. . .	22	0.4-1.4	21.46	23.9	-1 32.42
7	13.3-18.1	29.53	. . .	. . .	22	10.23	24.23	. .	. . .
7-8	2.9-7.6	32.86	6.3	-1 47.50	23	15.86	27.40	14.2	-1 34.91
8	14.7-15.2	29.10	14.5	-1 43.93	25	10.48	24.83	. .	. . .
July 2-3	4.2-10.2	30.51	7.9	-1 45.21	26	14.42	26.90	14.5	-1 33.58
3	15.9-16.1	31.23	16.7	-1 45.43	27	0.6-1.7	18.56	0.1	-1 31.66
8-9	4.5-10.2	29.62	8.8	-1 44.25	28	20.4-21.5	16.95	21.6	-1 30.45
9-10	4.5-10.2	29.94	5.4	-1 44.60	28	0.4-1.4	17.75	. .	. . .
17-18	5.3-10.2	30.45	6.9	-1 45.56	30-1	10.1-14.7	17.58	13.7	-1 32.11
19-20	5.3-10.2	29.97	6.3	-1 44.52	Oct. 1	22.8-1.4	19.36	23.9	-1 31.85
30	15.9-16.4	30.47	16.7	-1 44.21	1	10.23	17.40	. .	. . .
Aug. 6-7	6.5-11.1	29.16	7.9	-1 43.08	2	14.14	20.63	13.7	-1 35.17
7	6.7-7.7	30.06	8.0	-1 43.55	2	0.6-1.4	21.65	0.2	-1 34.81
8	6.9-7.7	30.65	8.0	-1 43.87	2-3	10.2-14.7	20.30	13.7	-1 33.86
9-10	6.9-12.2	30.21	7.9	-1 44.01	3	0.4-1.4	18.20	0.4	-1 30.32
12-13	7.1-11.7	30.20	8.0	-1 43.93	3	11.73	16.70	. .	. . .

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1895.	h h	38° 56' "	h	' "	1895.	h h	38° 56' "	h	' "
Oct. 4	14.30	20.57	14.0	—1 33.95	Nov. 18-19	12.9-18.3	18.25	14.9	—1 32.79
4-5	10.2-14.2	19.18	10.9	—1 33.49	20-21	12.9-19.8	18.06	14.4	—1 32.58
5	1.4-2.6	18.38	1.0	—1 31.69	21-22	13.3-20.8	16.57	14.4	—1 31.22
9-10	11.2-15.7	18.83	15.2	—1 31.84	26-27	13.3-18.8	17.30	14.7	—1 31.81
13-14	11.2-15.7	19.61	13.8	—1 33.75	28	13.93	18.83	15.0	—1 32.57
15-16	11.2-15.7	19.67	14.3	—1 33.49	29	18.61	16.87	. .	. . .
17-18	11.2-15.5	19.33	13.9	—1 32.70	29	1.8-2.1	18.43	1.6	—1 33.22
18	11.91	20.73	. .	. . .	Dec. 2	4.1-7.8	15.90	. .	. . .
19	14.92	18.72	15.3	—1 32.22	2	14.2-15.5	19.47	14.6	—1 32.81
20-21	11.2-17.2	19.83	14.9	—1 32.72	3-4	13.8-18.6	19.40	18.8	—1 33.78
21-22	11.2-14.7	20.07	14.9	—1 32.42	5-6	13.8-19.0	19.29	15.1	—1 34.09
22	15.5-18.1	18.58	. .	. . .	6	3.9-7.8	18.60	. .	. . .
22-23	11.2-15.7	19.30	14.9	—1 32.34	10-11	14.2-18.6	18.72	15.8	—1 33.13
23	18.1-19.0	19.88	. .	. . .	15	14.87	19.37	15.7	—1 33.84
23-24	11.2-15.7	19.29	15.0	—1 31.95	16	19.92	18.33	. .	. . .
24	19.5-20.2	19.20	. .	. . .	25	4.1-8.2	19.12	. .	. . .
24	12.26	19.58	. .	. . .	26-27	15.7-20.9	18.89	16.7	—1 32.58
25	14.78	17.97	14.9	—1 31.10	1896.				
25	20.2-21.1	19.38	21.2	—1 32.46	Jan. 1-2	16.7-21.4	20.38	17.8	—1 35.09
25	11.44	20.30	. .	. . .	3	3.8-10.2	21.24	9.2	—1 35.12
26	15.00	18.92	14.9	—1 32.56	3-4	15.8-20.3	19.94	18.0	—1 33.06
26	21.3-21.8	19.32	20.9	—1 32.52	4	1.1-11.4	19.15	2.0	—1 33.39
27-28	11.2-16.4	19.03	14.9	—1 32.02	7-8	16.4-22.0	21.42	18.0	—1 35.93
28-29	11.2-16.4	19.73	14.9	—1 32.35	9	16.4-16.7	22.77	18.1	—1 38.04
29	23.4-0.1	19.12	23.3	—1 32.25	10	1.7-5.3	23.90	3.5	—1 37.94
29-30	11.7-16.4	18.85	14.9	—1 31.95	11	4.8-8.7	21.85	6.2	—1 37.18
Nov. 2	2.0-3.0	19.32	1.6	—1 32.74	13	4.4-8.7	23.25	5.6	—1 37.52
3	12.52	19.28	. .	. . .	13	16.85	22.78	17.9	—1 36.13
3-4	15.63	17.56	15.6	—1 31.04	14	21.36	21.47	. .	. . .
4	20.8-21.4	18.85	. .	. . .	14	2.4-9.0	21.63	3.6	—1 35.65
5	20.8-21.4	19.08	22.0	—1 33.02	14	16.9-17.5	22.33	18.0	—1 36.03
11-12	12.9-17.2	17.87	14.6	—1 32.52	15	4.5-5.3	21.13	5.6	—1 36.88
15	12.9-14.2	17.87	14.8	—1 30.99	15-16	17.2-22.6	22.22	19.2	—1 35.80
17	14.61	18.03	. .	. . .					
18	17.91	15.43	17.3	—1 30.70					

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1896.	h h	38° 56'	h	' "	1896.	h h	38° 56'	h	' "
		"					"		
Jan. 16	4.5-8.7	22.22	5.9	-1 35.76	Aug. 10-11	6.5-12.2	61.25	8.1	-1 45.28
17	4.8-8.7	23.20	6.0	-1 38.22	11	22.2-22.6	61.33	23.3	-1 47.15
17-18	16.7-23.0	21.62	18.5	-1 35.98	11	7.5-7.6	61.05	8.6	-1 46.32
21	4.8-8.7	24.02	5.9	-1 38.21	12-13	6.7-11.7	60.82	8.2	-1 46.30
24-25	17.5-22.0	23.38	18.8	-1 37.13	14	13.3-14.2	61.58	12.7	-1 45.74
26	5.8-6.5	24.88	6.8	-1 38.46	14	22.0-22.3	60.10	23.4	-1 46.02
26-27	18.6-23.0	23.69	20.9	-1 36.61	15	14.7-15.2	60.83	14.0	-1 46.18
27	4.8-8.7	23.23	5.8	-1 37.01	15	22.0-22.3	59.40	0.0	-1 45.47
		38° 58'			16	15.7-16.2	60.48	15.3	-1 46.66
		"			16-17	7.5-13.3	59.88	11.8	-1 46.26
June 28-29	4.4-9.7	19.62	8.2	-3 6.29					
29-30	4.8-5.4	19.37	8.1	-3 4.97	17	17.2-18.0	58.90	.	.
30	16.1-16.5	18.47	15.8	-3 5.32	17-18	7.5-13.3	60.16	12.7	-1 45.32
30-1	4.2-7.6	19.30	6.1	-3 5.25	18-19	8.7-12.2	58.62	11.4	-1 43.94
July 1-2	4.5-5.2	19.33	8.5	-3 6.10	19	20.2-21.8	58.28	21.4	-1 44.43
2-3	4.2-9.7	20.90	6.1	-3 6.45	20	11.7-13.3	57.83	11.4	-1 43.52
		38° 56'							
		"			20	7.5-9.4	59.10	7.2	-1 42.97
12-13	5.2-10.2	58.65	7.0	-1 44.27	24	19.7-23.4	58.86	20.2	-1 45.27
14	5.2-5.8	59.33	7.1	-1 44.83	24-25	7.5-13.3	59.13	8.0	-1 44.05
16-17	5.2-10.2	56.14	7.0	-1 43.43	25	22.8-0.1	61.90	22.3	-1 47.49
17	13.3-15.8	56.40	15.1	-1 42.57	25-26	7.7-13.3	61.87	12.6	-1 47.58
18	9.4-13.3	57.10	11.2	-1 42.85	26	1.0-1.7	61.60	2.2	-1 48.03
21-22	7.6-9.4	60.35	10.4	-1 45.80	27	1.3-2.0	61.57	2.2	-1 47.63
22-23	5.5-10.2	60.02	9.5	-1 45.50	27-28	7.5-13.5	61.91	8.1	-1 46.80
24-25	5.8-10.2	5.84	10.6	-0 51.21	28	22.2-2.1	61.81	0.7	-1 47.02
26-27	6.5-11.1	6.84	10.6	-0 53.78	28-29	9.4-13.3	61.38	12.3	-1 47.45
28	9.4-10.0	7.53	10.6	-0 53.75	29	3.2-3.8	60.23	3.3	-1 46.96
28-29	5.8-10.2	7.12	7.1	-0 52.45	30	3.7-4.2	59.73	4.8	-1 46.45
30	9.4-11.7	61.60	10.4	-1 47.10	30-31	10.1-12.9	61.57	10.2	-1 47.06
31	5.8-7.7	56.28	7.9	-1 42.47	31	5.2-5.4	60.90	5.8	-1 46.93
Aug. 3-4	4.8-11.7	58.78	6.4	-1 42.20	31-1	9.4-13.3	61.40	9.0	-1 47.07
4-5	6.3-11.1	60.58	7.0	-1 44.93	Sept. 1	5.3-6.5	60.90	6.0	-1 46.45
5-6	6.5-11.1	61.35	6.2	-1 45.97	2	7.2-7.7	60.90	8.3	-1 46.86
6-7	6.5-11.7	63.09	6.9	-1 47.63	2-3	10.1-12.9	63.15	.	.
7-8	7.5-10.0	62.70	8.1	-1 46.72	3	22.0-22.8	62.67	.	.
10	11.7	61.10	.	.	7	19.0-22.0	61.17	.	.

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1896.	h h	38° 56' "	h	' "	1896.	h h	38° 56' "	h	' "
Sept. 8	22.8-23.0	59.80	0.2	-1 45.58	Oct. 26-27	11.7-16.5	59.99	15.6	-1 44.78
8-9	9.7-13.3	59.17	10.5	-1 45.14	27	1.7- 2.1	58.10	. .	. . .
9	21.0-23.9	59.45	20.7	-1 45.36	27	5.2- 7.8	58.93	6.8	1 45.22
9-10	9.4-14.2	60.23	11.5	-1 46.18	29	1.0- 2.0	59.92	0.7	1 46.77
10	22.0-23.9	60.88	21.6	-1 46.86	30	9.7-10.5	62.05	9.2	-1 47.19
10-11	9.4-14.7	62.13	13.7	-1 47.30	30	13.10	61.30	13.8	-1 47.40
11	22.5-22.9	61.87	. .	. . .	31	16.48	62.93	. .	. . .
17-18	10.1-14.7	62.22	10.8	-1 47.26	31	2.1- 2.6	60.47	3.0	1 46.92
18-19	10.1-14.7	64.45	10.6	-1 47.69	Nov. 1-2	11.7-16.4	60.60	. .	. . .
23-24	9.4-14.2	58.00	10.8	-1 44.03	2-3	12.2-15.5	60.48	14.0	-1 46.03
24-25	9.7-14.2	59.12	10.7	-1 44.22	5	2.0- 3.7	60.83	2.9	-1 47.76
25-26	10.1-12.9	59.55	10.7	-1 45.39	5-6	14.2-17.7	62.73	18.5	1 47.76
29-30	11.2-14.8	60.60	11.6	-1 46.74	6	0.4- 2.6	60.70	3.7	1 46.41
Oct. 5	22.6- 0.6	59.12	1.4	-1 45.48	6	13.35	59.67	14.4	-1 45.45
5	11.05	58.37	12.1	-1 44.40	7	17.60	61.90	. .	. . .
6	15.01	60.38	. .	. . .	7	22.8-23.0	59.45	. .	. . .
6-7	10.2-15.7	59.03	15.1	-1 44.83	8-9	14.2-18.6	61.00	13.1	-1 46.89
7-8	11.2-15.7	58.40	15.0	-1 43.85	9	12.9-14.2	58.83	13.9	1 45.48
8	23.9- 2.1	57.77	. .	. . .	10	20.6- 2.1	57.86	21.8	1 44.87
8-9	10.2-16.2	58.62	13.8	-1 44.04	12-13	12.9-17.7	60.43	14.4	-1 46.48
9	23.6-23.9	59.15	. .	. . .	13	22.6- 1.8	59.09	23.8	-1 46.35
9	1.4- 2.1	56.98	. .	. . .	13-14	13.3-18.6	60.11	18.8	1 46.26
14-15	11.2-15.7	58.17	12.0	-1 44.00	14	21.7- 0.4	59.87	23.2	1 46.12
15	21.2- 1.8	58.02	22.7	-1 44.96	15	21.8- 0.7	60.58	23.3	1 45.66
15-16	11.2-15.7	60.44	12.9	-1 44.68	15	13.47	59.00	14.8	-1 46.72
19	0.4- 2.4	57.25	0.0	-1 43.81	16	17.82	61.12	. .	. . .
19-20	12.9-14.7	58.23	15.0	1 43.37	16	22.0- 2.4	60.72	0.0	-1 46.75
21	15.5-16.4	59.80	15.4	1 44.68	16	13.56	60.18	14.8	1 45.69
21	1.4- 2.0	57.92	. .	. . .	17	17.03	63.17	. .	. . .
21-22	11.2-16.4	58.07	12.7	-1 44.28	17	1.4- 2.1	60.45	2.5	-1 47.36
22	22.2- 3.2	58.22	21.5	-1 44.43	17-18	14.7-18.3	61.40	17.4	-1 46.55
24	16.4-17.2	58.40	15.8	1 44.38	18	2.0- 2.4	60.87	1.8	1 47.57
24	3.0- 3.8	56.30	. .	. . .	23	17.5-19.8	58.25	. .	. . .
25-26	11.2-16.4	58.14	12.7	1 43.85	23-24	13.7-19.0	58.85	15.2	1 43.54
26	23.4- 6.7	58.54	23.1	-1 44.64	25	18.3-18.8	60.50	19.2	-1 45.64

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1896.	h h	38° 56' "	h	' "	1896.	h h	38° 56' "	h	' "
Nov. 25	22. 2-22. 3	59. 30	. .	. . .	Dec. 29	4. 2- 5. 0	62. 58	4. 5	-1 48. 06
30	2. 4- 4. 8	59. 20	. .	. . .	30	20. 3-22. 9	63. 63	22. 6	1 49. 82
30-1	14. 7-18. 6	58. 22	18. 2	-1 44. 28	30	1. 1- 5. 3	63. 50	2. 7	1 49. 95
Dec. 2-3	14. 7-19. 3	58. 34	15. 7	1 45. 29	30-31	15. 7-21. 4	63. 11	17. 2	1 49. 43
3	22. 2- 5. 3	57. 62	2. 2	-1 44. 83	31	3. 2- 5. 3	62. 29	2. 7	-1 48. 94
					1897.				
4	4. 8- 5. 5	57. 52	3. 6	-1 43. 49	Jan. 1-2	17. 2-21. 7	63. 23	21. 1	-1 49. 23
4-5	15. 5-19. 8	58. 48	19. 4	1 44. 11	5-6	18. 6-22. 9	62. 76	17. 5	1 48. 82
5	5. 3- 5. 5	56. 95	. .	. . .	6	3. 7- 5. 5	62. 08	3. 2	1 50. 00
6-7	14. 2-20. 9	59. 37	14. 9	1 44. 53	6-7	17. 2- 0. 6	62. 57	18. 5	1 47. 63
7	3. 2- 6. 0	58. 53	2. 5	-1 45. 29	7	3. 8- 5. 3	61. 08	5. 7	-1 48. 78
8	18. 6-19. 8	59. 62	. .	. . .	7	16. 90	61. 63	17. 8	-1 48. 14
8-9	15. 5-21. 7	59. 64	14. 4	-1 45. 04	8	22. 74	62. 45	. .	. . .
9	3. 7- 5. 8	57. 49	2. 5	1 45. 63	8	4. 2- 6. 1	60. 95	5. 8	1 47. 63
9-10	16. 7-22. 3	58. 81	20. 4	1 44. 58	8-9	19. 61	62. 46	17. 4	-1 48. 56
10	4. 8- 5. 3	57. 57	4. 3	-1 43. 18	9	23. 11	63. 73	. .	. . .
11	19. 7-20. 2	57. 82	20. 8	-1 43. 84	9	4. 2- 6. 3	61. 93	3. 5	-1 48. 88
11	22. 8- 5. 3	57. 32	4. 0	1 43. 75	10	1. 4- 1. 7	61. 60	. .	. . .
12	23. 9- 5. 3	62. 44	2. 0	1 48. 50	10-11	17. 5-23. 0	62. 73	17. 9	1 48. 40
13-14	15. 5-19. 8	64. 00	15. 0	1 49. 62	11	2. 1- 6. 3	61. 38	3. 9	48. 29
14	1. 4- 5. 0	62. 39	0. 7	-1 48. 81	11	16. 9-17. 7	63. 15	17. 4	-1 48. 66
16	0. 4- 5. 3	61. 28	2. 7	-1 48. 29	12	2. 6- 3. 2	61. 13	. .	. . .
16-17	15. 8-20. 5	62. 47	19. 5	1 47. 88	12	4. 2- 5. 3	61. 90	5. 8	-1 49. 37
17	4. 2- 4. 8	61. 67	3. 6	1 48. 03	17	17. 2-18. 6	63. 13	. .	. . .
18	15. 8-16. 2	62. 53	. .	. . .	18	4. 4- 5. 3	61. 82	5. 9	1 48. 25
21	4. 8- 5. 5	61. 10	6. 5	-1 48. 47	18-19	17. 2- 0. 1	50. 98	19. 4	-1 38. 12
22-23	15. 5-21. 3	62. 08	20. 7	-1 47. 31	19	4. 2- 5. 0	49. 46	5. 9	-1 36. 57
23	3. 2- 5. 4	61. 10	3. 9	1 48. 27	19	8. 5- 9. 7	48. 45	. .	. . .
23-24	15. 8-21. 4	62. 60	. .	. . .	20-21	17. 5-23. 2	53. 28	22. 5	1 37. 02
24	0. 6- 5. 4	62. 41	2. 7	1 48. 66	21	4. 2- 6. 5	50. 50	6. 0	-1 37. 07
25	3. 7- 5. 3	62. 08	4. 2	-1 49. 48	21	10. 2-11. 7	50. 06	. .	. . .
26	2. 0- 5. 3	61. 39	3. 1	-1 48. 46	21-22	17. 5-23. 4	51. 58	17. 9	-1 36. 67
27-28	16. 4-22. 0	63. 08	17. 7	1 48. 96	22	4. 4- 5. 3	50. 42	. .	. . .
28	3. 0- 6. 3	62. 83	4. 2	1 48. 57	22	10. 5-12. 3	50. 09	11. 0	1 36. 08
28	13. 8	62. 80	. .	. . .	22-23	17. 2-23. 0	51. 10	21. 5	1 36. 89
28-29	16. 0-19. 8	62. 88	20. 3	-1 48. 90	23	3. 7- 5. 3	49. 58	4. 1	-1 36. 11

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	38° 56' "	h	' "	1897.	h h	38° 56' "	h	' "
Jan. 24	13.5-15.7	50.60	. .	. . .	Mar. 1-2	21.2-2.0	52.86	21.9	-1 37.41
24-25	17.7-0.1	51.80	19.9	-1 37.82	2	10.3-16.5	52.66	11.9	1 38.63
25	4.2-5.3	49.32	6.3	1 37.54	3	9.0-10.7	53.20	. .	. . .
25	10.5-11.2	49.15	. .	. . .	3	15.7-17.0	51.68	17.4	1 37.78
25	15.2-16.0	50.97	15.7	-1 37.66	8	2.6-3.8	50.00	4.2	-1 35.98
25-26	17.5-23.9	51.36	19.2	-1 37.68	9-10	21.7-3.8	54.12	22.9	-1 41.89
26	4.4-5.3	50.08	3.8	1 36.95	10	4.2-4.9	52.92	. .	. . .
28-29	17.5-0.1	51.08	18.8	1 37.03	10	9.7-10.7	51.46	9.2	-1 38.00
29	4.5-5.3	50.18	5.7	1 36.77	10	15.2-16.2	50.58	. .	. . .
30	22.9-23.6	50.82	23.3	-1 36.20	10	20.80	50.65	. .	. . .
30	10.5-11.4	50.82	11.8	-1 37.35	11	1.08	53.70	1.8	-1 38.32
Feb. 3	10.5-11.4	49.52	11.7	1 36.55	12	5.5-10.5	53.13	7.3	1 38.94
3-4	17.7-1.3	51.30	20.3	1 36.99	12-13	21.2-3.0	52.28	23.0	1 37.38
4	4.2-6.1	49.65	6.7	-1 37.08	14	6.0-8.7	50.28	7.1	-1 35.87
4	10.1-10.7	49.78	. .	. . .	14	21.7-23.0	51.40	. .	. . .
9	3.0-5.3	50.83	4.2	-1 36.36	15-16	21.2-2.0	50.46	22.4	-1 35.73
12-13	20.3-0.7	49.94	23.8	1 35.84	16	9.8-10.5	48.72	9.2	1 35.12
13	7.2-10.7	48.66	8.3	1 35.44	20	1.1-1.8	55.45	2.8	1 40.72
14	4.8-10.7	50.44	5.6	-1 37.22	21	14.8-16.4	52.72	15.5	-1 38.61
16	0.7-1.1	51.70	. .	. . .	21	22.32	54.40	. .	. . .
16	4.8-5.5	50.72	5.8	-1 36.63	22	2.64	55.80	1.9	-1 39.07
16	9.7-10.7	48.60	. .	. . .	22	15.5-16.4	55.05	17.7	1 41.92
17	4.8-11.4	51.26	5.7	1 37.36	23-24	21.7-3.3	53.42	23.1	1 39.16
18-19	19.3-1.4	50.62	20.2	1 36.70	24	10.0-18.6	50.45	16.8	1 36.67
19	4.8-12.9	49.76	13.0	-1 35.06	24-25	21.4-3.8	51.22	23.3	-1 36.33
22-23	21.2-2.0	48.40	0.4	-1 34.68	25	10.0-11.4	50.07	11.0	-1 36.95
23	5.0-10.7	48.25	9.8	1 34.26	25	16.0-16.4	51.53	. .	. . .
23	15.9-16.4	47.87	. .	. . .	26	1.1-2.9	51.20	2.2	1 35.99
23-24	19.7-2.0	49.08	21.3	-1 35.07	26	10.0-10.7	49.30	. .	. . .
24	4.5-5.5	49.12	. .	. . .	26-27	20.9-3.8	49.98	23.2	-1 35.95
25	10.1-18.6	47.85	11.4	-1 33.95	27	9.7-16.0	50.00	16.5	-1 36.62
26	10.1-11.7	49.58	12.5	1 35.76	27	20.6-21.4	49.65	. .	. . .
26-27	19.4-2.0	49.21	20.8	1 34.90	28	22.26	50.55	23.	1 36.47
27	5.0-11.2	48.19	6.9	1 35.89	29	3.24	53.08	. .	. . .
Mar. 1	10.3-11.2	48.67	11.9	-1 35.70	29	8.4-16.9	52.59	13.5	-1 36.20

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	38° 56'	h	' "	1897.	h h	38° 56'	h	' "
Mar. 30	9. 7-16. 4	52. 90	10. 7	-1 38. 67	Apr. 19	13. 8-17. 5	52. 72	. .	. . .
30-31	0. 1- 3. 8	51. 88	2. 4	1 37. 91	19-20	0. 1- 4. 5	52. 09	23. 5	-1 38. 19
31	9. 7-10. 5	51. 85	11. 8	1 37. 91	20	10. 1-18. 1	49. 93	16. 8	1 35. 10
31	22. 98	52. 20	. .	. . .	20	23. 52	49. 30	. .	. . .
Apr. 1	1. 96	53. 28	2. 1	-1 37. 79	21	3. 90	50. 95	2. 2	-1 36. 34
1	10. 0-11. 1	50. 55	. .	. . .	21	9. 7-18. 8	50. 71	13. 9	-1 37. 40
1	15. 2-16. 4	50. 78	17. 0	-1 35. 94	21	0. 59	52. 33	23. 7	1 37. 28
1	22. 0-23. 0	51. 48	0. 3	1 36. 70	22	3. 91	54. 82	. .	. . .
2	9. 7-16. 4	51. 29	9. 0	1 38. 33	22	9. 8-10. 2	54. 33	. .	. . .
2-3	21. 4- 3. 8	51. 76	22. 3	-1 37. 46	22	15. 2-20. 2	53. 09	14. 0	-1 40. 68
3	8. 4-10. 0	51. 14	9. 3	-1 38. 19	22	0. 56	53. 95	1. 7	-1 39. 46
3	14. 8-16. 4	49. 45	. .	. . .	23	3. 82	55. 80	. .	. . .
4-5	0. 1- 5. 3	53. 62	6. 3	1 41. 07	23	10. 1-16. 0	56. 61	19. 7	1 40. 78
5	14. 8-16. 9	55. 08	18. 2	1 39. 83	23	1. 07	55. 30	0. 7	-1 41. 86
6	10. 1-16. 4	51. 88	11. 6	-1 37. 58	24	4. 84	58. 45	. .	. . .
7	15. 7-17. 2	50. 97	16. 7	-1 37. 14	24	9. 7-10. 1	57. 90	. .	. . .
9	10. 1-10. 7	51. 03	11. 1	1 36. 48	26	4. 5- 5. 8	59. 20	6. 6	-1 43. 23
10	3. 3- 4. 5	50. 75	3. 1	1 35. 09	26	13. 8-16. 4	57. 22	19. 4	1 42. 33
10	15. 5-16. 4	49. 76	17. 7	1 36. 45	26-27	0. 1- 4. 5	54. 27	0. 4	1 39. 89
11	8. 4-16. 9	50. 09	8. 2	-1 36. 51	27	9. 7-16. 0	53. 39	12. 3	-1 39. 14
12	1. 4- 2. 8	*51. 09	3. 2	-1 37. 09	27	23. 65	52. 13	0. 5	-1 40. 06
12	9. 0-16. 5	51. 32	12. 6	1 37. 66	28	4. 84	53. 95	. .	. . .
12-13	1. 1- 3. 7	50. 20	3. 9	1 36. 08	28	9. 7-16. 4	53. 10	10. 9	1 40. 45
13	10. 1-10. 5	51. 53	. .	. . .	28	0. 59	55. 07	23. 5	-1 39. 43
13	15. 7-16. 4	52. 58	15. 3	1 37. 45	29	6. 61	56. 95	. .	. . .
15	3. 8- 5. 3	54. 45	3. 6	-1 40. 21	29	10. 1-16. 0	55. 39	13. 5	-1 42. 16
15	10. 1-12. 2	52. 71	12. 9	-1 39. 31	May 3	16. 0-16. 5	53. 12	18. 7	1 38. 69
15	15. 3-16. 4	51. 53	. .	. . .	3	0. 1- 1. 1	52. 10	. .	. . .
15-16	0. 6- 4. 5	52. 66	0. 8	1 36. 68	5	12. 9-16. 4	52. 62	16. 8	-1 38. 36
17	3. 7- 4. 5	52. 05	3. 2	-1 38. 37	5	0. 42	53. 33	. .	. . .
17	9. 8-10. 5	49. 82	. .	. . .	6	6. 41	54. 94	5. 8	-1 39. 72
17	13. 8-16. 4	50. 43	15. 2	-1 37. 89	6	13. 1-16. 4	55. 10	15. 4	1 41. 48
18	9. 8-16. 4	51. 29	11. 7	1 37. 57	6-7	0. 1- 7. 7	56. 02	1. 7	1 40. 98
18	0. 56	54. 95	. .	. . .	7	13. 5-16. 0	54. 67	15. 4	-1 39. 87
19	5. 83	58. 00	6. 8	-1 41. 58	7	0. 86	53. 60	. .	. . .
19	9. 7-12. 0	55. 02	. .	. . .					

*Equator point derived from nadir observation.

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	38° 56' "	h	' "	1897.	h h	38° 56' "	h	' "
May 8	6. 27	54. 72	6. 4	—1 40. 15	May 27	13. 7–17. 0	55. 53	16. 3	—1 41. 91
8	13. 3–16. 2	54. 30	15. 5	1 40. 44	*27	13. 4–15. 0	55. 28	. .	. . .
9	9. 4–10. 7	56. 08	11. 7	1 41. 74	27	2. 69	55. 57	1. 6	1 40. 46
13	12. 9–13. 3	56. 70	14. 0	1 43. 34	28	5. 38	57. 38	. .	. . .
13–14	3. 3– 6. 7	56. 84	6. 9	—1 42. 56	28–29	1. 1– 6. 7	56. 06	2. 3	—1 41. 71
15	4. 5– 5. 3	55. 93	6. 7	—1 41. 97	29	13. 7–17. 0	55. 99	16. 3	—1 43. 18
15	13. 7–16. 4	56. 27	14. 5	1 41. 65	*29	13. 7–16. 7	55. 77	. .	. . .
16	13. 5–16. 4	55. 93	15. 4	1 41. 60	31	12. 9–16. 0	57. 20	14. 6	1 42. 76
*16	13. 3–15. 0	55. 37	. .	. . .	June 1	15. 2–16. 0	55. 72	14. 8	1 40. 64
16–17	0. 1– 5. 3	55. 48	6. 8	—1 40. 05	1– 2	1. 3– 7. 7	54. 82	2. 6	—1 40. 39
17	12. 9–18. 1	55. 65	19. 7	—1 41. 70	2	13. 3–16. 4	56. 76	14. 3	—1 41. 89
*17	13. 3–15. 0	55. 10	. .	. . .	3	15. 2–16. 5	59. 58	15. 0	1 44. 06
17	1. 59	55. 22	2. 3	1 40. 12	5	5. 16	56. 80	2. 8	1 44. 36
18	4. 96	56. 98	. .	. . .	5	15. 5–16. 2	57. 72	16. 8	1 43. 85
18	15. 5–18. 8	56. 56	16. 5	—1 41. 57	6	9. 7–11. 2	57. 92	9. 5	—1 43. 51
18–19	2. 0– 6. 7	56. 48	2. 3	—1 39. 06	9	12. 2–16. 0	55. 33	13. 9	—1 41. 19
19	13. 8–19. 5	56. 40	14. 2	1 42. 87	9–10	3. 3– 7. 6	55. 70	4. 4	1 40. 70
19–20	3. 3– 5. 8	57. 83	2. 4	1 41. 78	10	13. 3–15. 8	56. 29	15. 4	1 41. 38
20	14. 5–16. 5	59. 69	14. 2	—1 45. 04	10–11	2. 0– 5. 8	57. 03	4. 1	1 41. 80
20	20. 2–20. 4	59. 00	. .	. . .	11	14. 2–17. 7	57. 50	16. 6	—1 42. 93
21	12. 9–17. 7	57. 41	19. 9	—1 42. 88	*11	13. 4–14. 0	55. 80	. .	. . .
*21	13. 3–14. 0	58. 10	. .	. . .	12	7. 6– 9. 4	57. 47	8. 1	—1 42. 18
21	20. 8–22. 0	55. 63	. .	. . .	12	15. 2–16. 0	57. 30	14. 8	1 43. 15
21–22	1. 1– 5. 8	55. 56	2. 4	1 41. 65	13	15. 2–17. 3	57. 38	14. 7	1 43. 47
22	13. 8–16. 2	56. 78	14. 7	—1 42. 38	13–14	3. 0– 7. 7	58. 37	4. 5	—1 42. 46
22	22. 0–22. 8	55. 70	. .	. . .	14	15. 7–18. 1	57. 88	16. 6	—1 42. 83
23–24	3. 3– 7. 6	58. 05	9. 2	—1 44. 76	14–15	3. 0– 6. 7	58. 82	5. 9	1 43. 19
24	22. 6– 0. 1	57. 10	0. 5	1 42. 90	15–16	5. 2– 7. 7	58. 98	6. 0	1 44. 22
24–25	2. 0– 7. 7	57. 32	3. 6	—1 42. 68	18	22. 0–22. 8	57. 82	23. 1	1 42. 56
25	13. 5–16. 0	56. 74	. .	. . .	18–19	4. 5– 8. 7	58. 02	5. 5	—1 43. 27
*25	13. 4–14. 0	57. 70	. .	. . .	20	22. 8– 1. 3	57. 74	0. 0	—1 42. 98
25	0. 1– 0. 6	55. 50	23. 3	—1 40. 43	20–21	2. 6– 7. 6	57. 44	3. 9	1 43. 42
25–26	1. 1– 5. 2	55. 63	2. 8	1 41. 23	21	12. 9–16. 0	52. 55	15. 0	1 37. 79
26	13. 3–16. 4	55. 72	12. 7	—1 40. 42	21	23. 4– 1. 0	51. 28	23. 0	—1 37. 54
26–27	1. 1– 6. 7	54. 83	2. 6	—1 41. 26	22	6. 7– 7. 7	52. 05	. .	. . .

* North stars.

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	38° 56' "	h	' "	1897.	h h	38° 56' "	h	' "
June 22	15.2-16.0	52.65	14.3	-1 37.08	July 22	5.19	64.28	6.3	-1 48.69
22	0.1-1.0	52.40	23.8	1 37.01	23	9.98	66.90	. .	. . .
22-23	2.6-10.1	51.68	4.3	1 37.08	23	4.23	63.90	5.6	1 49.80
23	13.3-16.4	53.13	16.9	1 39.14	24	9.84	64.90	. .	. . .
23	0.1-2.0	52.50	0.5	-1 38.42	24	1.0-4.8	62.81	2.4	-1 48.05
23	3.7-3.8	56.25	4.3	-1 40.60	25	4.8-6.5	62.98	7.8	-1 49.08
24	14.8-16.0	56.38	16.5	1 41.96	27-28	4.8-14.2	61.50	14.5	1 47.35
24-25	3.0-7.7	56.23	4.2	1 39.94	28	5.57	61.20	6.8	1 46.99
25	15.2-15.8	57.05	16.1	1 41.62	29	11.97	64.10	. .	. . .
25-26	3.6-7.7	56.31	6.0	-1 41.58	29	5.4-10.2	62.26	6.6	-1 46.90
26	15.8-16.4	56.12	17.1	-1 42.08	30	5.3-5.8	62.20	. .	. . .
29-30	3.0-10.1	55.42	5.8	1 41.03	30-31	6.9-10.2	64.20	6.6	-1 47.75
July 1-2	4.5-8.7	57.81	8.4	1 42.01	Aug. 1	5.78	61.88	7.6	1 47.64
2-3	3.6-7.6	57.48	4.3	1 42.22	2	11.59	62.70	. .	. . .
4	10.1-13.3	63.16	11.4	-1 48.38	2-3	5.5-13.3	62.60	7.9	-1 47.97
5	10.1-12.3	63.68	14.2	-1 48.26	5	7.2-7.7	62.70	7.9	-1 47.52
5-6	4.5-12.5	63.34	6.5	1 47.50	6	15.7-16.0	62.05	. .	. . .
6	5.2-6.7	63.74	. .	. . .	6-7	5.8-12.2	62.25	7.0	1 47.42
7	14.7-14.8	63.85	12.2	1 49.25	7	16.5-17.3	62.05	17.9	1 48.30
7-8	4.4-9.8	63.38	7.8	-1 48.59	8	17.5-18.3	60.85	16.9	-1 47.48
8	13.3-14.8	62.80	15.0	-1 50.00	8-9	6.5-13.3	61.88	8.2	-1 47.56
8	4.96	63.20	5.7	1 47.90	9	6.96	62.08	8.1	1 47.94
9	7.98	64.27	. .	. . .	10	10.89	63.30	. .	. . .
9	4.8-5.3	63.40	5.9	1 49.06	10-11	6.3-13.3	63.10	7.1	-1 48.91
11	13.8-17.3	63.30	16.8	-1 49.29	11	7.18	63.15	. .	. . .
11	4.5-5.3	62.60	6.8	1 48.81	12	12.07	64.23	. .	. . .
13	19.2-19.3	62.60	18.	1 49.08	12	20.5-21.5	63.10	20.0	-1 49.29
13-14	4.5-10.2	63.37	5.7	1 47.41	12	6.17	61.75	6.9	1 47.72
14	20.2-20.8	62.05	19.7	1 47.97	13	11.62	63.03	. .	. . .
14-15	4.2-10.2	62.19	5.4	-1 46.89	13	22.3-23.0	62.00	23.6	-1 48.10
15	21.3-21.8	61.60	20.9	-1 47.55	13	6.79	63.08	7.0	-1 48.32
18	23.9-0.4	62.10	0.6	1 47.15	14	11.44	64.38	. .	. . .
21	1.1-2.6	61.66	3.1	1 47.87	14	23.4-1.4	64.40	1.1	1 49.55
21-22	5.2-10.1	63.30	7.3	1 48.52	15	6.5-7.6	63.85	9.0	1 49.96
22	2.0-3.7	62.55	2.5	-1 48.67	16	1.0-1.8	63.00	3.0	-1 49.92

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	38° 56'	h	' "	1897.	h h	38° 56'	h	' "
Aug. 16-17	6.5-13.3	62.35	8.8	-1 48.84	Sept. 14	14.2-14.7	61.33	11.7	-1 47.54
17	1.4-2.1	61.88	2.7	1 48.26	14	22.0-2.6	60.73	21.0	1 47.74
17-18	6.7-14.2	62.98	8.2	1 48.93	*14	21.3-21.4	61.50	.	.
19	3.2-4.4	62.32	4.8	1 47.34	15	22.0-23.0	61.00	21.8	-1 46.81
19-20	7.2-13.3	62.23	7.9	-1 47.42	*15	22.8-1.4	61.07	.	.
20	4.2-4.8	62.18	5.1	-1 47.28	15	1.4-3.7	59.75	.	.
21	5.2-6.3	62.95	6.6	1 48.42	15-16	10.0-14.7	62.62	10.6	-1 46.79
23-24	7.6-13.3	62.04	9.6	1 48.67	17	5.3-5.5	60.30	6.3	1 48.04
24	7.5-7.7	63.35	8.5	1 48.32	17	9.83	61.75	10.7	-1 46.82
25-26	7.5-13.8	63.88	8.1	-1 49.09	18	13.55	60.22	.	.
27	12.9-14.2	63.95	12.4	-1 48.69	18	20.9-21.8	59.55	22.5	-1 46.35
27-28	7.2-13.3	63.65	8.6	1 49.02	*18	20.9-23.2	59.92	.	.
30-31	7.5-14.5	62.87	10.3	1 48.67	18	5.8-6.5	59.00	7.5	1 45.46
31-1	10.0-14.8	63.35	10.3	1 48.34	19	4.8-6.3	58.68	5.7	1 45.28
Sept. 2	12.5-15.6	63.85	9.0	-1 49.56	20	12.9-14.2	58.10	14.5	-1 44.39
2-3	7.5-16.4	62.54	9.8	-1 47.69	20	7.5-7.6	57.47	7.3	-1 43.95
3-4	7.2-13.8	61.34	8.0	1 47.02	20-21	9.7-12.9	58.65	10.6	1 43.65
4	17.5-19.2	60.94	19.4	1 47.09	21-22	8.4-14.2	57.61	10.4	1 43.42
5	17.3-19.2	61.52	17.7	1 48.06	23-24	9.4-14.2	57.59	11.2	1 42.85
6	18.0-20.2	62.30	18.4	-1 48.32	24-25	9.4-14.2	58.28	10.7	-1 41.04
6-7	9.4-14.2	63.63	10.7	-1 49.02	26-27	9.4-14.2	59.19	11.8	-1 45.83
7	20.4-21.4	63.38	22.5	1 48.77	27-28	9.7-13.8	59.66	10.9	1 45.20
7	7.56	63.63	9.7	1 49.31	28-29	8.7-15.2	57.96	10.7	1 44.02
8	13.55	64.90	.	.	29-30	9.7-14.2	58.54	11.9	1 44.59
8	19.2-22.5	63.81	18.6	-1 50.22	30	0.1-1.3	59.35	23.7	-1 45.16
*8	19.4-21.3	64.20	.	.	30-1	9.7-13.3	59.70	12.2	-1 45.57
8	9.59	66.10	9.6	-1 50.49	Oct. 1	16.4-17.5	60.84	.	.
9	13.79	64.92	.	.	1	21.8-22.3	60.27	21.2	1 45.44
9	19.3-22.8	64.78	20.3	1 50.50	*1	21.7-21.9	60.00	.	.
*9	19.4-21.3	64.07	.	.	2	1.0-2.0	56.82	0.7	-1 43.28
9	9.44	65.03	10.7	-1 50.23	3	18.8-20.4	57.18	21.2	-1 44.29
10	12.96	66.10	.	.	3	0.4-1.3	58.32	.	.
10	22.0-23.4	65.28	23.9	-1 51.07	3-4	10.0-14.7	57.48	12.1	1 43.26
10-11	9.7-13.3	67.02	9.2	1 51.80	4	20.4-20.8	57.80	21.1	1 42.89
13	22.2-1.8	62.46	23.8	-1 47.85	4-5	10.2-14.2	57.26	14.4	-1 43.69
*13	22.8-23.2	61.95	.	.					

* North stars.

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	38° 56' "	h	' "	1897.	h h	38° 56' "	h	' "
Oct. 5	20.8-21.5	57.53	21.0	-1 44.30	Nov. 4	23.0-0.1	55.70	0.3	-1 41.55
5	0.1-1.3	58.10	.	.	4	5.0-5.5	54.95	.	.
5-6	10.2-15.5	58.48	14.4	1 44.78	4-5	14.2-17.5	56.44	17.2	1 42.72
6	21.4-1.3	58.50	20.7	1 44.65	5	23.9-1.7	57.22	3.0	-1 43.35
7	14.2-14.7	58.50	12.0	-1 44.19	5	4.8-5.8	56.28	.	.
7	22.6-1.3	57.47	23.7	-1 44.38	5-6	12.9-16.4	56.29	14.5	-1 42.39
7-8	10.2-14.7	58.45	12.3	1 43.74	6	1.0-5.5	54.80	2.4	1 42.26
8-9	10.2-15.7	57.30	11.4	1 43.29	9	3.1-6.3	54.43	4.9	1 41.10
9	23.9-1.7	56.98	23.5	-1 43.54	9-10	13.8-19.0	53.73	20.8	1 40.00
*9	21.9-1.4	57.13	.	.	10	4.2-5.8	53.27	4.8	-1 40.56
11	0.6-1.8	59.90	0.4	-1 46.09	11	4.8-5.5	52.10	3.5	-1 38.60
12	0.6-3.8	60.10	4.8	1 45.46	12	5.3-6.5	52.54	6.8	1 38.50
12-13	9.8-15.7	58.14	10.8	1 44.46	12-13	12.2-18.8	53.92	17.3	1 39.49
13	0.6-4.5	58.83	23.9	1 44.98	13	4.5-10.0	52.89	9.0	1 41.91
13-14	11.7-14.7	57.80	13.1	-1 43.78	14	13.4-14.7	52.72	15.1	-1 38.09
14	0.1-1.3	58.28	23.5	-1 44.78	15	13.55	54.85	14.6	-1 40.64
14	4.8-5.5	57.65	.	.	16	16.74	57.00	.	.
14	11.91	58.73	12.7	1 45.02	16	9.4-10.2	54.75	.	.
15	14.51	60.15	.	.	16-17	12.2-17.5	55.65	18.6	1 41.97
15	22.0-1.0	60.33	23.3	-1 45.37	17	5.0-5.8	53.55	6.7	-1 41.02
*15	22.5-1.4	60.23	.	.	17	9.7-10.7	53.08	.	.
15	5.3-6.0	59.22	.	.	17-18	12.8-18.8	53.16	14.8	-1 40.79
15	11.68	61.08	12.4	-1 46.33	18	5.0-5.5	53.62	5.9	1 39.48
16	14.71	62.70	.	.	18	10.7-11.7	52.80	.	.
16	0.1-6.3	61.11	2.2	-1 47.34	18-19	13.3-17.5	54.78	14.7	-1 40.63
17	5.3-7.6	56.46	.	.	19	5.0-5.5	54.12	3.8	-1 40.38
18	0.4-1.3	56.98	5.9	-1 42.93	19	12.91	54.05	15.1	1 41.94
29-30	13.4-19.5	54.21	17.3	1 41.00	20	17.47	56.12	.	.
31	20.3-21.1	53.65	21.8	1 40.86	20	5.5-6.0	55.43	4.2	1 42.67
Nov. 2	21.4-22.5	56.92	23.0	-1 42.84	20	10.7-13.3	54.32	11.8	-1 41.52
2	4.8-6.5	56.70	.	.	22	13.3-15.5	56.07	14.2	-1 42.11
2-3	11.2-16.5	56.39	12.2	-1 42.16	23	5.0-6.3	54.78	4.5	1 41.20
3	22.2-23.0	55.12	23.8	1 41.78	23-24	13.3-19.3	54.04	15.2	1 40.06
3	5.3-6.3	55.07	.	.	24	4.8-6.3	53.24	0.3	-1 40.24
3-4	12.2-16.0	55.09	13.8	-1 42.17	26-27	12.9-20.2	56.70	.	.

* North stars.

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1897.	h h	38° 56'	h	' "	1897.	h h	38° 56'	h	' "
Nov. 27	4. 2- 6. 5	54. 96	. .	. . .	Dec. 27	5. 0- 6. 0	49. 58	. .	. . .
29	21. 1- 6. 0	54. 58	20. 6	-1 40. 21	27-28	15. 5-22. 6	51. 12	16. 9	-1 38. 00
29-30	14. 2-18. 8	56. 38	15. 9	1 42. 23	28	4. 2- 5. 8	51. 82	3. 8	1 38. 91
30	21. 4-22. 6	54. 72	. .	. . .	28-29	16. 9-21. 7	52. 08	20. 2	1 38. 65
30	4. 8- 6. 3	54. 18	4. 2	-1 40. 12	29	15. 87	51. 88	18. 4	-1 39. 23
30-1	13. 8-19. 8	53. 64	18. 0	-1 40. 13	30	20. 97	56. 62	. .	. . .
Dec. 1	23. 0- 1. 0	53. 15	0. 5	1 39. 34	30	0. 1- 0. 6	56. 25	. .	. . .
1	5. 0- 6. 3	52. 65	. .	. . .	30	5. 4- 6. 0	53. 65	4. 3	-1 40. 39
1-2	13. 3-19. 8	53. 08	16. 0	1 39. 71	1898.				
5-6	14. 2-19. 0	52. 71	16. 6	-1 40. 76	Jan. 3	3. 7- 5. 4	48. 90	3. 3	-1 37. 20
6	2. 0- 3. 7	51. 82	1. 7	-1 38. 85	3-4	16. 2-22. 0	49. 98	18. 7	1 36. 69
6-7	14. 2-19. 8	53. 54	16. 3	1 39. 83	4	4. 5- 5. 8	50. 74	4. 2	1 38. 25
7	3. 7- 5. 8	52. 07	7. 4	1 40. 73	4	15. 83	50. 12	16. 7	-1 36. 92
7-8	15. 5-22. 5	53. 10	18. 5	1 39. 01	5	20. 30	51. 40	. .	. . .
8	1. 7- 5. 3	52. 20	2. 5	-1 39. 78	5	5. 0- 6. 0	50. 00	4. 0	-1 37. 21
8-9	14. 2-19. 8	52. 85	16. 3	-1 39. 45	6	16. 56	49. 68	18. 3	1 36. 10
9	5. 0- 6. 3	52. 92	4. 3	1 38. 91	7	21. 60	51. 35	. .	. . .
9-10	16. 4-19. 8	56. 11	20. 0	1 42. 13	7	5. 5- 7. 8	49. 81	6. 4	1 36. 53
10	5. 2- 6. 0	56. 32	5. 8	1 42. 08	7-8	18. 6-23. 0	52. 98	20. 6	-1 37. 83
11	19. 7-21. 1	58. 30	19. 0	-1 43. 80	8	4. 8- 8. 7	51. 65	7. 0	-1 38. 74
11	1. 0- 1. 7	57. 20	4. 5	-1 43. 89	12-13	18. 3-22. 0	51. 59	20. 2	1 38. 13
12	7. 6- 9. 0	54. 38	8. 0	1 45. 14	13	5. 0- 7. 5	49. 62	6. 3	-1 36. 91
15	1. 3- 6. 0	51. 17	3. 7	1 38. 54	*13	6. 1- 8. 1	51. 60	. .	. . .
15	11. 1-13. 3	50. 98	11. 9	1 38. 82	16	13. 8-16. 0	49. 68	. .	. . .
15-16	15. 5-20. 3	51. 22	17. 2	-1 38. 39	16	17. 5-17. 7	49. 85	. .	. . .
16	1. 7-12. 0	51. 49	4. 0	-1 39. 04	17	4. 8- 6. 0	48. 36	7. 9	-1 36. 78
16	. . .	. .	12. 7	1 37. 73	17-18	16. 4-22. 9	47. 82	19. 1	1 35. 51
17	12. 5-13. 3	51. 62	. .	. . .	18	4. 8- 7. 7	47. 90	5. 5	-1 36. 15
17-18	15. 2-19. 0	53. 94	17. 3	1 39. 99	*18	6. 1- 7. 3	49. 95	. .	. . .
18	13. 1-14. 2	52. 72	14. 6	-1 40. 07	20	4. 8- 7. 7	51. 18	5. 5	-1 36. 34
23	3. 7- 6. 3	50. 64	5. 1	-1 38. 29	*20	6. 1- 7. 3	52. 75	. .	. . .
23-24	15. 7-19. 8	51. 36	. .	. . .	21	5. 0- 7. 8	49. 49	6. 0	1 35. 84
24	4. 8- 6. 0	51. 82	5. 7	1 39. 58	*21	7. 3- 7. 4	50. 40	. .	. . .
26	15. 86	50. 78	17. 9	-1 36. 56	23-24	17. 5-22. 5	50. 60	19. 1	-1 35. 01
27	21. 26	49. 68	. .	. . .					

* North stars.

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	38° 56' "	h	' "	1898.	h h	38° 56' "	h	' "
Jan. 24	5.0- 7.8	49.55	5.9	-1 35.76	Feb. 23-24	19.7- 2.0	48.17	22.0	-1 35.90
25-26	19.8-21.7	49.40	. .	. . .	25-26	19.8- 3.8	49.08	22.2	1 35.49
26	0.1- 2.0	47.85	. .	. . .	26	11.7-14.2	48.39	13.9	1 34.66
26	5.0- 7.8	48.56	4.4	-1 35.51	27	1.1- 4.2	48.70	2.8	1 34.70
*26	6.1- 7.4	48.10	. .	. . .	27-28	19.7- 1.1	47.71	0.3	-1 34.99
26-27	17.7-23.4	49.95	19.6	-1 35.88	28	4.4- 5.3	47.45	. .	. . .
27	1.7- 2.1	48.90	. .	. . .	28	12.3-13.3	47.98	12.0	-1 34.92
27	4.5- 7.7	49.54	5.9	1 36.08	28- 1	19.3- 2.0	48.48	21.5	1 36.51
27-28	17.5- 0.6	48.82	21.2	1 35.64	Mar. 1	5.3-14.2	48.64	8.4	1 37.22
28	1.7- 6.3	47.80	6.7	-1 35.92	2	6.3-13.3	48.90	8.0	-1 35.18
29	1.1- 5.0	49.39	. .	. . .	2- 3	19.7- 1.8	47.80	22.6	-1 35.33
30	1.8- 3.8	48.36	4.4	-1 35.97	3	7.5- 8.5	48.00	8.7	1 35.50
Feb. 2	5.8- 7.2	49.08	7.8	1 36.74	4	8.5-13.3	49.15	9.2	1 34.59
2- 3	18.3- 0.1	50.48	20.4	1 38.86	4- 5	19.3- 2.6	49.77	22.0	1 35.82
3	5.3- 7.2	49.65	6.5	-1 38.38	5	8.7-13.3	49.40	10.6	-1 36.17
3- 4	17.7-22.8	51.41	20.1	-1 37.50	6	9.0-10.7	48.95	8.2	-1 36.06
4	4.8- 8.5	50.44	5.7	1 36.40	7	0.1- 2.0	50.47	0.3	1 36.14
5	6.5-10.2	50.64	8.1	1 37.12	7	10.7-13.1	49.81	11.6	1 35.63
6	5.0- 9.8	49.99	8.1	1 37.09	7- 8	20.9- 2.0	50.76	22.2	1 36.61
6- 7	18.3-23.0	50.33	20.2	-1 37.17	8	11.7-13.5	49.72	12.7	-1 35.50
7	4.8-10.7	50.40	5.8	-1 36.89	8- 9	0.1- 2.6	50.25	0.6	-1 35.86
8	5.0-11.7	50.38	6.8	1 37.63	9	12.0-13.3	49.88	13.9	1 35.90
8- 9	19.7- 1.1	52.03	20.7	1 38.02	10	12.3-14.2	50.55	12.1	1 37.67
9	11.5-13.8	51.34	11.0	1 38.22	12	11.7-16.0	55.89	13.9	1 41.16
9		. .	14.5	1 37.97	13	15.9-17.3	50.82	17.1	-1 37.72
9-10	19.0- 0.6	51.28	20.9	-1 36.70	13-14	20.5- 2.0	51.01	22.8	-1 37.60
10	12.3-13.5	51.55	11.5	-1 35.79	14	17.3-18.1	48.40	18.3	1 35.65
10	19.20	51.78	20.6	1 37.44	14-15	20.3- 1.1	50.10	22.3	1 35.87
11	0.45	55.25	. .	. . .	17	0.1- 2.0	51.78	0.5	1 39.57
13	13.5-16.4	50.28	14.4	1 37.75	17	12.0-13.1	50.35	11.0	-1 37.26
13-14	19.8- 0.6	50.15	20.9	-1 36.47	19	1.1- 3.7	52.60	2.3	-1 39.27
15-16	18.6- 1.1	48.84	. .	. . .	19	12.0-13.3	54.45	12.7	1 40.65
16	12.2-13.3	48.70	13.8	-1 35.49	24-25	21.7- 2.0	50.45	2.3	1 35.93
16-17	18.8- 0.6	47.71	21.1	1 34.44	25	12.2-13.1	48.90	12.7	1 34.83
22-23	18.8- 1.4	48.89	20.0	1 35.38	31	1.8- 3.8	49.33	3.5	-1 36.25
23	12.0-13.3	48.18	13.9	-1 35.28					

* North stars.

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeric Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	38° 56' "	h	' "	1898.	h h	38° 56' "	h	' "
Mar. 31	8. 5-13. 1	49. 46	. .	. . .	May 2	11. 7-13. 1	53. 85	12. 4	-1 39. 81
31- 1	22. 6- 3. 8	49. 73	0. 3	-1 35. 48	3	4. 5- 7. 7	54. 35	6. 2	1 40. 28
Apr. 1	9. 0-13. 1	49. 44	12. 7	1 35. 13	3	12. 0-12. 3	52. 30	13. 3	1 39. 88
1- 2	21. 4- 3. 8	50. 32	22. 5	1 35. 85	8	18. 0-18. 8	49. 10	19. 6	1 36. 76
2	9. 0-13. 5	50. 14	11. 5	-1 37. 20	8	1. 02	50. 44	0. 8	-1 37. 51
3	10. 1-11. 4	48. 65	11. 8	-1 36. 08	9	5. 27	51. 86	. .	. . .
5	12. 0-13. 1	49. 32	11. 1	1 36. 81	9	11. 5-13. 5	52. 34	. .	. . .
5- 6	21. 4- 4. 5	48. 99	23. 0	1 35. 05	9	15. 9-19. 0	51. 09	14. 9	-1 38. 77
6	12. 0-17. 3	48. 51	12. 6	1 34. 85	9	0. 42	51. 17	2. 7	-1 38. 78
6- 7	23. 0- 4. 5	48. 10	0. 6	-1 35. 50	10	4. 97	54. 05	. .	. . .
7	12. 0-16. 5	47. 91	12. 6	-1 34. 25	10	11. 7-20. 5	54. 52	13. 6	-1 40. 35
7- 8	22. 5- 3. 0	50. 01	0. 7	1 35. 58	11	11. 7-21. 7	55. 30	17. 8	1 41. 73
8	12. 2-16. 5	49. 92	12. 7	1 36. 11	11-12	2. 0- 5. 5	56. 90	2. 8	1 43. 83
8- 9	0. 1- 5. 2	51. 92	2. 8	1 38. 27	12	15. 9-16. 5	56. 70	17. 0	1 41. 53
9	11. 5-16. 0	51. 59	13. 8	-1 37. 47	12-13	1. 1- 5. 5	57. 00	4. 0	-1 41. 87
11-12	21. 7- 4. 5	50. 56	5. 0	-1 37. 59	13	12. 0-16. 5	55. 38	12. 5	-1 41. 57
12	12. 0-13. 5	51. 55	14. 0	1 37. 41	13	22. 5-23. 0	55. 00	22. 1	1 40. 10
12	15. 9-20. 2	50. 13	. .	. . .	13	0. 42	54. 80	2. 8	1 41. 12
12-13	22. 0- 4. 8	51. 18	23. 6	1 37. 16	14	5. 29	56. 90	. .	. . .
15	23. 16	49. 32	0. 8	-1 36. 62	15-16	1. 8- 5. 8	56. 98	4. 1	-1 42. 40
16	5. 04	52. 38	. .	. . .	16	15. 9-16. 9	56. 46	17. 2	-1 42. 21
16	11. 5-13. 5	52. 66	14. 6	-1 37. 80	16-17	1. 1- 5. 5	56. 61	6. 0	1 42. 67
16	15. 7-17. 2	51. 67	. .	. . .	17	11. 7-16. 9	55. 65	12. 5	1 42. 25
17	12. 0-16. 9	54. 32	12. 6	1 40. 31	17-18	1. 1- 5. 5	55. 11	3. 1	1 40. 34
17-18	0. 1- 5. 3	55. 77	1. 6	-1 40. 08	18	13. 1-16. 9	55. 70	17. 2	-1 41. 51
19-20	23. 0- 5. 3	52. 86	0. 8	-1 37. 81	18	1. 25	55. 47	3. 5	-1 41. 93
20	11. 2-13. 5	49. 84	14. 1	1 35. 16	19	5. 14	57. 00	. .	. . .
20-21	23. 0- 5. 2	49. 82	2. 5	1 35. 84	19	16. 2-16. 9	58. 70	15. 3	-1 44. 13
21	11. 7-16. 5	49. 79	14.	-1 35. 70	19	1. 02	59. 20	3. 0	-1 44. 76
27	12. 0-12. 3	49. 45	. .	. . .	20	6. 59	61. 56	. .	. . .
28	11. 7-13. 1	49. 32	12. 8	-1 36. 49	23	1. 97	57. 52	3. 6	-1 43. 13
29	9. 4- 9. 8	50. 63	. .	. . .	24	6. 93	58. 28	. .	. . .
29-30	0. 1- 5. 8	51. 66	1. 9	1 37. 58	24	13. 4-16. 9	57. 42	17. 4	1 42. 97
30	9. 7-16. 9	52. 68	11. 2	1 39. 50	24-25	1. 4- 9. 7	57. 24	5. 2	1 43. 10
May 1	10. 5-16. 9	54. 48	11. 8	-1 40. 54	25	15. 9-16. 9	56. 80	17. 4	-1 43. 11

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	38° 56'	h	' "	1898.	h h	38° 56'	h	' "
May 27	5. 3-10. 5	56. 79	6. 9	-1 42. 02	June 13	15. 8-17. 0	60. 60	15. 4	-1 46. 33
27	13. 1-16. 4	57. 09	14. 0	1 42. 41	13-14	1. 1- 7. 7	59. 66	3. 5	1 45. 10
27-28	1. 1- 7. 7	57. 46	3. 5	1 42. 13	14	13. 5-17. 0	59. 94	14. 8	1 45. 60
28	10. 1-16. 4	58. 47	14. 7	1 43. 67	14-15	1. 8- 7. 6	59. 03	3. 4	1 45. 25
30	12. 2-16. 4	58. 21	13. 9	-1 43. 52	19-20	3. 0- 9. 7	58. 10	4. 1	-1 43. 72
30-31	1. 1- 6. 7	56. 97	3. 7	-1 43. 18	20	15. 8-17. 0	58. 45	15. 3	-1 43. 92
31	12. 2-16. 5	56. 84	14. 2	1 42. 81	21	13. 8-17. 0	56. 83	14. 5	1 43. 58
31-1	1. 1- 7. 2	56. 48	2. 4	1 42. 28	21-22	3. 0- 9. 7	56. 64	4. 8	1 42. 68
June 1	13. 1-16. 5	56. 66	13. 7	1 42. 89	22	13. 8-16. 7	56. 22	15. 5	1 42. 78
2	2. 90	55. 97	4. 0	-1 43. 19	22-23	3. 7- 9. 4	56. 27	5. 8	-1 42. 35
3	5. 91	57. 22	. .	. . .	23	13. 8-17. 0	57. 15	15. 0	-1 42. 71
3	13. 1-16. 9	56. 87	14. 5	-1 42. 89	23	4. 10	57. 62	4. 9	1 42. 69
5	16. 0-19. 2	55. 99	17. 1	1 42. 10	24	8. 92	59. 87	. . .	. . .
5	2. 83	55. 40	4. 2	-1 42. 30	24	15. 9-17. 7	60. 40	17. 5	1 45. 42
6	6. 63	57. 18	. .	. . .	24	3. 88	60. 38	4. 9	-1 45. 36
6	15. 8-16. 5	57. 50	16. 7	-1 42. 98	25	9. 95	63. 00	. .	. . .
6	19. 2-20. 0	56. 78	. .	. . .	26-27	3. 7- 8. 7	62. 05	5. 0	-1 46. 37
6	2. 83	57. 00	4. 0	1 42. 83	27	13. 1-17. 0	62. 19	15. 1	1 47. 40
7	6. 88	58. 20	. .	. . .	27-28	3. 0- 7. 7	62. 00	5. 6	1 47. 24
7	16. 0-20. 5	58. 65	18. 9	-1 44. 78	28-29	3. 8-10. 2	60. 90	5. 6	-1 46. 43
7	2. 78	57. 75	3. 3	-1 43. 77	29	14. 5-16. 9	60. 39	15. 5	-1 45. 73
8	7. 03	59. 10	. .	. . .	29-30	3. 7- 9. 4	59. 76	6. 2	1 45. 38
8	21. 4-22. 6	58. 85	22. 9	1 44. 67	30	15. 9-16. 5	60. 60	15. 1	1 45. 63
8-9	3. 0- 7. 7	59. 53	5. 0	1 45. 95	30-1	3. 8-10. 1	61. 91	4. 8	1 45. 50
9	15. 8-16. 4	60. 12	16. 7	-1 45. 18	July 1	16. 4-18. 0	61. 98	17. 6	-1 47. 62
9	22. 3-23. 0	58. 12	3. 5	-1 44. 32	1-2	3. 7-10. 2	64. 58	5. 6	-1 47. 38
10	6. 3- 7. 7	60. 35	. .	. . .	2	17. 0-19. 2	64. 04	16. 4	1 49. 03
10	13. 1-13. 5	60. 17	. .	. . .	3	13. 8-19. 5	63. 68	15. 2	1 49. 54
10	15. 7-16. 5	59. 38	17. 2	1 45. 49	6-7	4. 5- 9. 4	59. 20	6. 1	1 44. 38
10		. .	3. 6	-1 44. 25	7	22. 8-23. 6	59. 20	22. 1	-1 45. 11
11	7. 6- 7. 7	59. 45	. .	. . .	7	5. 01	60. 62	6. 2	-1 45. 42
11	13. 1-16. 5	60. 91	14. 1	-1 46. 45	8	10. 13	62. 05	. .	. . .
11	23. 9- 1. 1	59. 85	0. 6	1 44. 63	8	0. 1- 1. 1	61. 15	0. 6	1 47. 11
12	0. 1- 1. 8	58. 37	. .	. . .	9	9. 4-11. 1	61. 58	8. 4	1 46. 60
12-13	2. 6- 5. 8	60. 15	3. 5	-1 45. 02	9	0. 1- 1. 4	60. 66	23. 5	-1 47. 00

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	38° 56' "	h	' "	1898.	h h	38° 56' "	h	' "
July 10	13.5-13.8	60.75	14.5	-I 45.57	Aug. 19-20	7.4-14.2	70.48	8.2	-I 55.22
10	1.1- 2.0	59.05	2.4	I 45.28	20-21	11.7-14.5	69.60	12.3	I 54.88
10	4.2- 4.8	59.52	5.4	I 45.02	21-22	7.5-13.8	70.25	8.0	I 54.59
11	15.9-16.5	58.90	. .	. . .	22-23	7.5-14.7	70.74	8.5	I 55.56
15	5.44	63.00	6.8	-I 46.86	23		. .	14.1	-I 56.41
16	10.48	64.30	. .	. . .	23-24	7.2-13.8	72.36	11.9	-I 56.48
17-18	4.8-10.1	61.77	7.1	-I 46.95	24	15.7-16.4	73.54	. .	. . .
19-20	4.5-11.1	69.80	6.2	I 54.71	24	1.0- 1.8	72.47	2.2	I 57.92
20-21	4.8- 9.7	69.55	7.6	I 55.19	25-26	7.5-14.2	70.88	8.0	I 55.47
23	11.5-12.2	70.15	12.7	-I 55.49	26	18.0-18.3	71.13	17.7	-I 55.46
25	10.1-13.3	69.80	11.4	-I 53.96	26-27	7.6-14.2	70.62	11.9	-I 55.23
25	5.5- 7.6	70.00	7.1	I 54.27	27	18.8-19.5	69.20	18.4	I 54.28
27	7.5- 7.7	69.67	. .	. . .	28	20.5-21.3	67.68	19.8	I 53.58
28		. .	11.3	I 55.20	29	7.86	69.36	9.7	-I 55.16
28	15.9-16.5	69.98	16.8	-I 55.43	30	13.15	71.08	. .	. . .
28-29	5.8-11.1	70.07	7.1	-I 55.95	30	19.0-22.0	70.94	21.2	-I 56.65
29	17.2-18.1	70.30	18.5	I 55.71	30-31	7.2-14.2	71.16	9.7	I 55.80
29-30	5.3-11.1	71.47	6.8	I 55.49	31	22.8- 1.0	71.12	0.1	I 57.04
30	18.3-19.2	70.62	17.5	I 56.31	31- 1	7.2-14.7	71.60	9.2	I 56.35
31- 1	5.8-13.3	69.93	12.6	-I 55.23	Sept. 1	23.4- 1.7	71.62	0.8	-I 57.42
Aug. 1	20.2- 1.1	70.22	19.7	-I 55.56	1- 2	7.2-13.8	71.34	9.9	-I 56.20
1- 2	5.8-11.7	70.49	8.4	I 54.93	2	0.4- 1.4	72.23	1.7	I 57.09
3	10.1-12.5	71.32	10.9	I 55.05	2- 3	7.2-14.5	72.96	9.3	I 56.94
3	22.5- 1.1	70.24	23.7	I 56.67	3	1.4- 2.1	70.85	2.8	I 57.59
3- 4	5.8-12.2	70.66	8.4	-I 56.06	4	2.0- 3.2	70.80	2.4	-I 58.84
4- 5	7.2-13.4	70.50	8.2	-I 55.57	5	2.9- 3.8	70.20	4.0	-I 55.65
5	0.6- 1.4	69.38	1.7	I 54.36	5- 6	9.4-14.2	72.12	10.3	I 56.36
6	12.9-13.3	69.45	12.4	I 54.88	6	4.2- 5.3	71.18	4.5	I 57.12
6	23.9- 1.8	69.92	0.5	I 55.42	6	9.7-10.2	71.87	10.4	I 57.40
7	1.8- 2.6	70.10	3.1	-I 55.78	7	5.2	70.30	2.4	I 55.60
7	7.2- 7.7	71.08	8.4	-I 55.81	7- 8	8.7-14.2	68.81	10.5	-I 54.70
8	3.0- 3.2	71.50	3.5	I 55.69	8	5.8- 6.7	67.28	6.9	-I 53.36
15-16	6.5-14.2	69.74	8.5	I 54.43	8- 9	10.0-14.7	69.07	10.6	I 54.31
16-17	7.4-13.3	70.98	8.3	I 55.48	9-10	6.5-14.2	68.85	9.9	I 53.51
17-18	7.2-14.2	70.92	8.9	-I 55.86	10	6.5- 9.7	68.06	. .	. . .
					11-12	8.7-14.2	66.85	11.0	-I 52.52

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	38° 56' "	h	' "	1898.	h h	38° 56' "	h	' "
Sept. 12	23. 6- 1. 4	66. 05	0. 4	-1 52. 18	Oct. 9-10	13. 8-15. 9	66. 45	15. 0	-1 52. 72
12-13	10. 2-14. 5	68. 10	13. 9	1 53. 31	10-11	10. 2-14. 7	67. 97	12. 0	1 52. 84
16	20. 2-20. 8	69. 22	21. 7	1 53. 79	11-12	10. 2-16. 4	67. 85	12. 0	1 53. 81
16	23. 4- 0. 1	68. 45	. .	. . .	12	1. 0- 1. 1	66. 00	23. 4	1 53. 04
16-17	9. 7-14. 7	70. 33	11. 1	-1 54. 04	12-13	11. 1-16. 4	65. 63	12. .	-1 51. 95
17	20. 2- 0. 1	69. 46	22. 2	-1 55. 13	13	1. 0- 1. 1	65. 50	0. 0	-1 51. 89
18-19	9. 4-14. 8	70. 65	10. 9	1 55. 84	14-15	10. 2-16. 4	65. 63	12. 2	1 51. 36
19	20. 2- 0. 1	70. 01	21. 3	1 54. 55	16	11. 91	64. 50	12. 3	1 50. 01
20	14. 2-14. 7	67. 50	15. 0	1 54. 29	17	16. 11	66. 00	. .	. . .
20	23. 6- 0. 1	66. 82	0. 7	-1 53. 05	18	11. 91	64. 80	11. 5	-1 51. 26
21	14. 2-14. 7	66. 40	13. 9	-1 51. 86	19	16. 44	66. 10	. .	. . .
21	23. 6- 1. 1	66. 52	0. 4	1 52. 34	19	1. 1- 6. 0	65. 16	0. 2	-1 51. 68
23	13. 8-15. 2	69. 47	15. 4	1 55. 27	19	11. 91	64. 63	. .	. . .
23	18. 5-23. 6	69. 25	22. 1	1 54. 08	20	16. 90	66. 04	15. 0	1 52. 09
23-24	9. 4-14. 8	68. 84	11. 5	-1 53. 58	20	1. 0- 6. 0	64. 84	0. 3	-1 51. 98
24	19. 7-20. 4	68. 10	22. 2	-1 54. 04	21-22	13. 3-16. 9	66. 76	17. 3	-1 53. 21
24	1. 0- 1. 4	65. 20	. .	. . .	22	20. 2-20. 8	65. 48	22. 0	1 52. 32
25	20. 4-21. 7	67. 05	19. 6	1 52. 93	22	5. 0- 6. 0	64. 12	4. 6	1 50. 03
26	13. 8-15. 5	67. 82	14. 4	1 54. 01	23	20. 8-22. 0	63. 88	20. 4	-1 50. 63
26	21. 5-22. 8	68. 38	21. 0	-1 54. 27	23	12. 26	64. 12	. .	. . .
26-27	10. 0-15. 7	68. 64	11. 8	-1 53. 78	24	16. 12	65. 78	16. 0	-1 52. 38
27	22. 3-23. 0	67. 22	21. 7	1 52. 93	24	22. 2- 1. 0	65. 00	0. 2	1 51. 09
27-28	9. 4-15. 8	67. 70	10. 6	1 52. 92	24	5. 3- 6. 0	64. 48	. .	. . .
28	23. 0- 1. 0	67. 04	22. 2	1 53. 65	24	12. 26	65. 65	12. 5	-1 51. 70
28-29	9. 7-15. 2	67. 10	11. 8	-1 53. 17	25	15. 28	67. 03	. .	. . .
29	0. 1- 1. 0	67. 12	23. 2	-1 53. 31	25	5. 3- 6. 3	66. 82	7. 5	-1 53. 11
29	10. 79	68. 75	11. 9	1 54. 41	26	23. 4- 5. 3	65. 17	1. 3	1 51. 90
30	14. 70	69. 95	. .	. . .	26-27	11. 7-16. 9	64. 50	13. 5	1 50. 77
30 *	1. 0- 1. 7	68. 27	0. 2	1 54. 21	27	0. 4- 1. 3	64. 60	0. 2	-1 51. 29
30- 1	9. 7-14. 2	69. 37	11. 2	-1 54. 10	27	5. 3- 6. 0	63. 42	. .	. . .
Oct. 5	5. 3- 6. 3	68. 55	4. 9	-1 55. 02	27-28	11. 7-16. 7	64. 72	13. 7	-1 50. 20
5- 6	11. 1-15. 8	68. 81	14. 4	1 54. 33	28	1. 4- 2. 0	64. 65	0. 8	1 50. 92
6	23. 6- 1. 0	66. 88	0. 5	1 52. 95	30	3. 2- 4. 5	64. 04	3. 0	1 51. 26
6	6. 3- 7. 5	66. 32	7. 0	1 52. 55	30-31	11. 7-17. 5	65. 78	13. 7	1 51. 13
6- 7	10. 2-15. 9	68. 02	12. 1	-1 52. 67	31	1. 7- 5. 5	65. 03	5. 2	-1 50. 40

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	38° 56'	h	' "	1898.	h h	38° 56'	h	' "
Oct. 31	12. 64	64. 57	13. 9	—1 51. 82	Nov. 24	5. 3— 6. 0	65. 28	3. 9	—1 52. 05
Nov. 1	16. 72	65. 88	. .	. . .	24-25	13. 5—21. 5	65. 35	15. 1	1 50. 97
1	5. 0— 6. 3	64. 52	6. 8	1 51. 53	25	1. 8— 2. 6	63. 40	2. 9	1 50. 52
1- 2	11. 7—16. 9	65. 04	13. 6	1 51. 39	27	3. 7— 5. 8	63. 17	2. 4	1 49. 53
2	5. 0— 6. 5	64. 58	5. 9	—1 51. 23	29-30	14. 7—19. 0	63. 77	18. 7	—1 50. 82
2- 3	11. 7—17. 5	65. 14	14. 1	—1 51. 79	30	5. 3— 9. 0	63. 88	6. 7	—1 50. 99
3	1. 0— 7. 5	64. 55	1. 9	1 51. 06	30- 1	13. 8—18. 3	63. 96	15. 6	1 50. 68
3	13. 52	65. 25	12. 7	1 51. 15	Dec. 1	7. 6— 9. 0	63. 25	1. 7	1 50. 17
4	16. 62	66. 58	. .	. . .	1	13. 3—14. 2	64. 68	16. 1	1 50. 10
4	5. 5— 7. 8	65. 00	6. 7	—1 51. 92	5	8. 5—10. 2	63. 18	9. 8	—1 50. 25
4- 5	14. 2—17. 5	66. 14	14. 5	—1 51. 65	6	8. 5—12. 0	63. 64	10. 7	—1 50. 83
6	9. 4—10. 7	64. 48	8. 6	1 51. 68	6- 7	14. 2—19. 7	63. 26	15. 1	1 49. 39
6- 7	12. 2—17. 2	64. 04	14. 2	1 50. 87	7	0. 6— 1. 1	63. 13	0. 2	1 49. 93
7	1. 1— 6. 0	63. 66	1. 8	1 51. 15	7	8. 5—13. 1	62. 67	9. 8	1 50. 52
7- 8	12. 9—17. 7	65. 43	12. 6	—1 51. 29	7- 8	14. 8—19. 0	63. 47	16. 4	—1 50. 00
8	11. 01	64. 50	13. 7	—1 51. 36	8	8. 5— 9. 4	63. 10	9. 5	—1 50. 38
9	16. 69	66. 00	. .	. . .	8	14. 97	63. 13	16. 6	1 50. 06
10-11	13. 3—21. 3	66. 58	14. 6	1 52. 92	9	18. 65	64. 30	. .	. . .
11	5. 3— 5. 8	65. 90	6. 3	1 51. 67	9	14. 19	63. 88	16. 6	—1 50. 18
11-12	12. 5—18. 6	66. 13	14. 6	—1 51. 82	10	19. 25	65. 37	. .	. . .
12	21. 4—21. 8	65. 18	. .	. . .	10	8. 5— 9. 4	63. 40	10. 0	—1 50. 23
12	5. 0— 6. 0	65. 08	6. 5	—1 51. 66	12-13	15. 5—19. 8	64. 30	17. 1	1 48. 84
14	20. 5—21. 3	63. 43	19. 7	1 50. 47	13	4. 8— 9. 4	63. 60	7. 6	1 50. 17
14	5. 3— 5. 8	63. 90	4. 2	1 50. 85	13	14. 62	62. 62	15. 7	—1 45. 02
14-15	12. 9—21. 5	64. 70	14. 5	—1 51. 17	14	19. 32	59. 50	. .	. . .
15	1. 0— 1. 7	64. 40	2. 5	—1 53. 66	14	1. 0— 5. 8	60. 58	0. 7	—1 47. 28
18-19	14. 2—17. 2	65. 78	15. 2	1 51. 50	14	14. 86	59. 80	16. 7	1 46. 61
19	20. 8—21. 5	64. 82	. .	. . .	15	19. 26	61. 75	. .	. . .
19	5. 0— 5. 5	64. 82	4. 1	1 50. 73	15	1. 7— 9. 0	61. 48	2. 5	1 48. 19
20	21. 4—22. 8	63. 10	20. 0	—1 50. 66	15		. .	6. 8	1 48. 26
20-21	13. 8—18. 6	65. 47	15. 0	—1 50. 49	15-16	15. 9—21. 1	63. 48	16. 8	—1 48. 47
21	20. 5— 1. 7	64. 80	2. 2	1 50. 59	16	5. 3— 9. 0	63. 00	6. 3	—1 48. 81
21	5. 3— 5. 5	64. 37	. .	. . .	17	21. 4—22. 2	64. 12	20. 3	1 49. 00
22-23	14. 2—18. 3	65. 42	14. 6	—1 51. 24	17	5. 0— 9. 0	62. 73	6. 9	1 48. 77
24	1. 4— 2. 1	64. 62	. .	. . .	18	22. 0—23. 4	63. 00	20. 9	1 49. 36
					22-23	15. 7—19. 7	63. 50	17. 0	—1 48. 11

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1898.	h h	38° 56' "	h	' "	1899.	h h	38° 56' "	h	' "
Dec. 23	1.3- 5.5	62.34	2.1	-1 48.33	Jan. 29-30	17.2- 0.1	59.43	20.1	-1 45.23
23	12.9-13.1	61.80	.	.	30	7.5- 7.7	59.15	2.1	1 45.86
24	3.7- 8.5	61.89	6.8	1 48.78	31	18.91	60.98	19.3	1 47.09
25	4.4- 5.3	61.60	5.7	1 47.74	Feb. 1	0.14	59.57	2.9	1 46.01
26	5.0- 6.3	62.28	4.7	-1 48.68	1	7.2-14.8	58.35	15.2	-1 44.32
27	8.5- 9.8	61.40	11.3	-1 48.23	2	7.5- 8.5	56.72	6.7	-1 44.32
27-28	15.7-21.7	62.04	16.6	1 48.49	3	15.2-15.7	59.47	14.9	1 44.92
29	5.0- 9.4	63.16	6.9	1 48.64	3-4	18.6-23.0	59.38	20.6	1 45.49
29	16.22	62.98	17.7	-1 48.43	4	5.5- 7.8	59.53	6.8	1 46.22
30	19.62	67.17	.	.	8-9	18.6- 1.1	59.04	20.9	-1 45.89
1899.									
Jan. 6	14.7-15.7	62.10	14.0	-1 49.75	9	7.2- 7.8	57.75	.	.
6-7	16.0-20.6	63.03	18.2	1 49.34	19	20.42	59.36	21.2	-1 44.01
7	5.3- 7.8	61.96	7.0	1 49.78	20	23.86	61.42	.	.
7	15.5-17.7	61.51	18.3	1 47.09	21	7.2- 8.7	60.68	6.7	1 46.94
10	5.0- 8.1	60.60	.	.	22	7.2- 7.8	59.20	8.9	-1 45.48
10	17.10	60.78	19.0	-1 46.59	22	19.7-20.3	57.83	21.4	-1 44.83
11	21.56	58.65	.	.	23-24	19.3- 1.8	58.64	0.2	1 44.04
14	5.2- 8.5	60.53	3.8	1 47.10	24	7.2-13.1	57.73	12.5	1 43.93
18	1.7- 2.1	60.73	3.2	1 48.13	24-25	19.7- 2.0	58.34	21.1	1 43.37
19	1.8- 8.5	59.16	3.5	-1 46.02	25	7.7-11.2	57.60	11.9	-1 43.55
19-20	17.2-21.4	59.73	18.9	-1 45.10	27	7.2-13.1	56.05	9.6	-1 42.96
20	3.2- 5.5	60.19	4.6	1 45.74	27-28	19.3- 1.1	58.33	23.8	1 43.42
20	18.54	59.42	18.3	1 45.48	28	7.2- 8.5	57.90	11.1	1 44.00
21	22.14	60.66	.	.	Mar. 5	18.0-19.0	57.22	17.3	1 43.13
21	4.2- 7.8	61.34	6.6	-1 46.48	5-6	20.3- 3.3	56.66	22.5	-1 42.60
22	5.0- 6.0	60.10	3.6	-1 46.55	15-16	21.1- 3.8	57.76	23.1	-1 44.60
22	13.1-13.8	60.25	14.4	1 46.56	16	13.1-14.8	57.22	14.8	1 43.71
23	5.3- 7.8	60.06	6.8	1 46.53	16-17	21.1- 2.0	58.82	2.3	1 44.74
24-25	17.5- 1.0	59.46	19.5	1 45.26	17	4.4- 5.0	59.05	.	.
25	.	.	0.3	1 46.04	20	7.6-14.8	60.18	9.0	-1 46.98
25	5.3- 8.5	58.70	6.0	-1 46.00	20	.	.	15.3	-1 47.50
25-26	18.6-23.0	61.47	19.8	-1 45.06	20	.	.	23.4	1 46.06
26	4.8- 9.7	61.12	7.2	1 47.42	21	1.1- 3.0	60.92	.	.
26	18.01	60.75	18.7	1 46.72	22-23	21.7- 3.0	61.20	23.3	1 46.32
27	22.22	62.23	.	.	23	9.4-14.8	60.39	13.8	-1 46.52
27	5.3- 7.8	60.10	6.3	-1 46.70					

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					NINE-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	38° 56' "	h	' "	1899.	h h	38° 56' "	h	' "
Mar. 23-24	21. 1- 2. 0	61. 30	1. 9	-1 46. 95	Apr. 19	23. 31	63. 90	1. 6	-1 50. 59
24	10. 7-14. 8	60. 75	13. 8	1 46. 94	20	4. 38	65. 85	. .	. . .
25	14. 2-14. 8	61. 33	15. 8	1 46. 42	20	9. 8-15. 2	64. 64	13. 9	1 51. 20
28-29	21. 4- 3. 8	59. 47	22. 3	1 45. 39	20		. .	1. 4	-1 49. 52
29	13. 1-15. 2	60. 06	15. 7	-1 45. 98	21	4. 5- 5. 8	68. 60	. .	. . .
29-30	21. 4- 2. 0	61. 10	21. 7	-1 46. 69	21	11. 03	64. 82	13. 8	-1 49. 47
31- 1	21. 7- 3. 0	62. 90	23. 5	1 47. 97	21	15. 33	62. 50	. .	. . .
Apr. 1	14. 2-18. 5	60. 39	15. 6	1 46. 76	21	0. 04	64. 03	0. 5	1 48. 37
2- 3	21. 7- 3. 0	61. 22	23. 4	1 46. 98	22	4. 62	65. 58	. .	. . .
3	13. 1-14. 8	61. 28	14. 0	-1 46. 44	22	11. 5-16. 5	63. 95	13. 1	-1 49. 14
4	4. 5- 5. 8	60. 80	4. 8	-1 46. 45	23	12. 2-13. 3	65. 42	11. 4	-1 51. 65
4	14. 7-15. 3	60. 05	15. 8	1 46. 52	23	0. 20	65. 88	0. 5	1 50. 28
4- 5	20. 2- 3. 8	60. 76	23. 1	1 46. 36	24	4. 58	67. 60	. .	. . .
5	13. 1-15. 2	60. 68	12. 4	1 46. 74	24	13. 1-16. 5	67. 76	15. 4	1 52. 85
5- 6	0. 1- 3. 8	60. 58	0. 6	1 47. 26	24	0. 07	67. 48	0. 5	-1 51. 87
7	22. 5-23. 0	63. 80	0. 0	-1 47. 64	25	5. 54	68. 73	. .	. . .
8	13. 8-14. 5	60. 83	15. 4	1 47. 34	26	11. 2-17. 2	67. 13	16. 7	-1 52. 46
9-10	0. 1- 4-5	61. 02	0. 5	1 46. 82	26-27	0. 1- 5. 3	66. 50	1. 6	1 53. 00
10	13. 5-14. 8	60. 32	14. 0	1 46. 46	27	15. 9-16. 2	64. 60	15. 5	1 50. 76
10-11	0. 1- 5. 0	61. 62	0. 5	-1 47. 54	27-28	0. 1- 5. 2	65. 49	0. 7	-1 49. 58
11	13. 5-14. 2	61. 80	12. 7	-1 48. 09	28	13. 1-17. 3	65. 01	15. 9	-1 50. 95
12	13. 8-15. 2	63. 35	15. 8	1 50. 10	28	0. 42	65. 57	1. 5	1 50. 68
12	0. 56	63. 25	0. 4	1 48. 73	29	4. 10	67. 12	. .	. . .
13	3. 61	65. 58	. .	. . .	29	13. 5-18. 5	66. 63	15. 6	-1 52. 97
13	13. 5-15. 2	65. 20	14. 6	-1 51. 29	30	18. 8-20. 5	66. 55	20. 8	1 51. 82
16	6. 3- 7-8	62. 62	8. 4	-1 48. 71	30		. .	2. 0	-1 53. 22
16-17	0. 1- 4. 8	61. 28	0. 4	1 46. 71	May 1	4. 8- 5. 5	69. 72	. .	. . .
17	7. 5- 8. 5	63. 38	. .	. . .	1	14. 5-14. 8	68. 90	16. 7	1 54. 65
17	13. 8-16. 5	62. 80	15. 4	1 48. 08	1	0. 56	69. 20	2. 0	-1 54. 59
17	0. 35	63. 30	0. 7	-1 48. 55	2	4. 62	71. 88	. .	. . .
18	3. 34	65. 30	. .	. . .	2	14. 7-18. 1	69. 17	15. 6	-1 55. 23
18	9. 0-16. 0	65. 27	13. 7	-1 50. 85	3	0. 56	62. 60	2. 2	1 49. 99
19	3. 3- 7. 6	66. 40	. .	. . .	4	4. 58	64. 60	. .	. . .
19	9. 4-11. 2	66. 98	11. 9	-1 52. 19	4	13. 8-17. 7	63. 95	15. 0	1 51. 27
19	13. 8-18. 0	65. 82	. .	. . .	8- 9	0. 1- 5. 5	66. 33	2. 5	-1 50. 71

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
NINE-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE.				
1899.	h h	38° 56'	h	' "	1899.	h. h.	321° 8'	h.	' "
		"					"		
May 9	12.9-17.7	65.46	16.9	-1 50.67	June 13	15.8-16.5	14.60	18.1	-3 27.01
9-10	4.5- 5.8	67.40	2.0	1 50.44			321° 6'		
10	13.8	65.40	15.2	1 51.95			"		
11	4.5- 5.2	66.30	6.1	1 52.70	13-14	6.5-11.1	20.70	3.8	1 34.54
11	13.8-17.3	64.36	15.0	1 50.72	14	15.8-18.0	22.31	17.7	1 35.75
11-12	0.6- 6.3	66.60	2.2	-1 51.47	14-15	3.0- 7.7	24.42	5.0	1 35.82
					15	13.8-16.9	26.05	14.4	-1 37.29
13	13.5-14.8	67.58	15.4	-1 52.96					
13	16.4-17.3	66.00	.	.	15	.	.	1.6	-1 38.62
14	6.5- 9.4	66.00	9.0	1 51.33	15-16	4.5- 7.6	24.42	5.1	1 38.21
14-15	1.1- 8.7	66.08	3.1	1 50.60	16	11.7-13.1	25.50	14.5	1 39.72
15	13.8-17.5	65.20	15.4	-1 51.45	16	16.4-17.3	27.26	.	.
					18	13.1-15.2	30.35	15.7	-1 41.28
15-16	2.0- 5.3	67.65	5.6	-1 51.89					
16	15.2-16.4	68.30	16.9	1 53.48	18	3.71	27.87	5.5	-1 41.28
18-19	1.1- 5.5	65.06	2.6	1 50.05	19	9.40	24.08	.	.
19	13.5-17.5	63.80	14.5	1 49.17	19	13.8-14.8	26.10	.	.
19-20	1.1- 6.5	64.98	2.6	-1 51.32	19	15.9-16.5	25.02	15.6	1 37.10
					19-20	3.8- 7.7	22.40	5.5	-1 38.05
20	12.2-17.3	64.31	14.8	-1 50.31					
21	12.5-13.5	64.32	11.9	1 49.40	20	13.8-18.8	11.97	16.9	-1 26.77
22	16.5-17.5	63.38	18.0	1 49.37	21	15.8-17.3	25.58	12.2	1 36.09
23	4.5- 6.5	64.67	6.8	1 49.79	21-22	3.0- 9.4	24.02	5.4	1 36.45
23	13.8-17.3	63.49	15.7	-1 49.25	22	16.4-18.0	26.82	12.6	1 37.05
					22-23	4.8- 7.7	21.96	5.8	-1 36.56
23-24	5.3- 7.5	66.53	3.2	-1 49.93					
24	13.1-18.0	65.54	14.8	1 51.29	23	15.9-18.6	22.03	18.0	-1 36.08
24-25	1.1- 5.3	64.47	3.3	1 50.52	23-24	4.5-10.1	19.54	5.6	1 33.82
25	13.8-17.5	64.02	15.0	1 51.14	24	.	.	9.8	1 34.63
25	1.97	65.20	3.4	-1 50.07	24	.	.	14.3	1 33.52
					24	15.9-19.7	21.94	18.2	-1 33.42
26	5.68	67.38	.	.					
26	13.1-18.5	66.78	16.9	-1 52.94	25	20.4-21.5	22.38	21.2	-1 34.65
26-27	5.2- 5.8	68.58	3.9	1 52.82	25	.	.	5.8	1 34.17
27	13.8-19.8	69.12	16.9	1 54.39	26	7.7-10.2	19.28	.	.
28	16.2-20.5	71.67	21.6	-1 56.08	26	15.9-16.5	20.45	16.9	1 34.12
					26	21.7-22.3	21.40	0.2	-1 35.05
28-29	1.8- 5.5	72.21	3.5	-1 56.49					
29	20.5-21.5	70.18	21.0	1 56.18	27	15.9-18.3	21.04	.	.
June 1- 2	2.0- 7.1	69.72	4.0	1 56.16	27	22.3-23.4	21.55	0.1	-1 35.01
2	13.5-17.5	69.75	15.8	1 55.75	28	15.8-16.4	18.42	17.4	1 31.52
2- 3	0.1- 5.8	70.53	3.3	-1 55.46	28	23.6- 0.1	20.52	0.6	1 33.18
					29	15.9-17.5	20.10	19.5	-1 34.13
3	13.1-17.2	70.41	15.3	-1 55.90					

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	321° 6' "	h	' "	1899.	h h	321° 6' "	h	' "
June 29	0.1- 1.8	20.62	2.7	-1 33.27	July 27-28	5.8-10.1	3.60	8.1	-1 19.68
29-30	4.5- 7.7	19.00	5.9	1 32.36	28	1.7- 2.0	8.57	. .	. . .
30	15.9-17.3	19.93	15.6	1 32.76	Aug. 4- 5	5.8-12.9	35.43	8.0	1 50.24
30	0.6- 1.7	21.85	0.2	1 33.59	6- 7	6.5-12.9	36.06	8.1	-1 50.28
30- 1	4.5-10.1	18.53	5.9	-1 32.51	7	20.2-22.0	38.50	. .	. . .
July 1	15.8-17.7	20.06	16.5	-1 32.98	7- 8	6.5-13.3	36.59	8.8	-1 51.82
2	3.82	18.45	5.7	1 31.54	8	20.4-21.7	38.50	. .	. . .
3	8.20	15.73	. .	. . .	15-16	7.2-13.3	35.58	8.2	1 49.44
3	15.9-17.3	18.45	16.9	1 31.52	16		. .	12.7	1 47.98
5	14.7-17.5	6.91	15.7	-1 19.18	16	17.3-21.5	36.84	19.7	-1 50.33
6- 7	5.2-10.2	4.88	6.4	-1 17.74	17	18.0-19.2	37.05	20.	-1 51.20
7	17.3-17.7	6.17	16.5	1 19.60	18-19	7.5-12.5	35.03	8.1	1 49.97
9-10	4.5- 7.6	6.10	6.5	1 20.34	19		. .	12.0	1 48.48
10	16.5-17.5	7.25	18.5	1 21.01	19	20.2-21.7	35.42	20.0	1 48.93
10	5.36	6.52	6.5	-1 20.52	20	21.5-22.2	35.50	21.3	-1 49.65
11	9.84	5.15	. .	. . .	21	21.0- 1.7	37.58	14.1	-1 49.51
11	16.5-17.5	6.72	15.7	-1 20.18	21-22	7.6-13.8	34.63	12.3	1 48.22
12	4.5- 5.3	5.65	6.7	1 15.39	22	23.4- 0.1	36.88	0.8	1 51.50
13	4.8- 5.8	3.18	7.2	1 17.49	22-23	7.2-14.2	35.54	8.3	1 49.75
14	4.5- 5.8	6.52	7.0	-1 19.96	23		. .	12.1	-1 50.00
16	4.8- 5.5	5.78	. .	. . .	23	0.4- 1.1	37.55	1.8	-1 50.28
17		. .	8.9	-1 20.55	24	19.8-22.0	37.25	13.8	1 49.98
17	20.2-22.0	8.60	. .	. . .	24	2.0- 2.1	36.10	. .	. . .
17-18	5.2-11.1	7.18	7.1	1 21.67	24-25	7.6-14.2	32.48	12.4	1 48.00
18	15.9-16.9	7.78	18.5	-1 22.79	25	2.9- 3.7	34.16	4.8	-1 49.18
18	20.2-22.3	9.52	. .	. . .	30	20.2-22.2	33.28	22.6	-1 43.85
18	5.44	8.38	7.2	-1 22.23	31	19.7-21.6	33.10	21.3	1 46.61
19	11.12	6.58	. .	. . .	31	7.48	33.02	. .	. . .
19	5.2- 5.8	8.22	7.8	1 20.21	Sept. 1	13.27	30.40	14.8	-1 45.96
20	17.3-20.4	8.07	19.8	-1 19.73	3	8.42	33.63	. .	. . .
20	5.46	6.75	7.7	-1 19.60	4	14.00	31.80	12.8	-1 45.45
21	10.14	3.75	. .	. . .	4	19.8-22.0	34.73	0.7	1 48.24
21	19.0-19.5	6.60	18.5	1 18.92	4	9.70	35.40	. .	. . .
22	19.8-22.3	6.42	22.8	1 16.08	5	13.78	34.17	14.3	-1 46.85
27	1.0- 1.8	5.42	2.2	-1 18.15	5	9.75	34.63	. .	. . .

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	321° 6'	h	' "	1899.	h h	321° 6'	h	' "
Sept. 6	13. 25	33. 00	12. 1	—1 46. 22	Oct. 1-2	10. 1-15. 5	23. 60	11. 4	—1 38. 74
7-8	7. 5-14. 7	33. 70	10. 7	1 46. 40	6-7	9. 7-14. 8	22. 68	11. 0	1 36. 29
9	19. 7-21. 6	34. 70	21. 9	1 47. 59	8-9	11. 2-16. 9	22. 83	12. 6	1 37. 61
11	15. 5-16. 1	29. 00	15. 0	—1 42. 70	9	21. 4-22. 0	25. 62	0. 3	1 37. 97
11	20. 2-22. 0	30. 13	. .	. . .	9-10	10. 1-18. 3	23. 26	16. 5	—1 36. 61
11-12	9. 4-14. 2	27. 05	14. 5	—1 41. 28	12	19. 9-20. 5	23. 70	21. 1	—1 36. 14
12	16. 4-17. 2	26. 58	. .	. . .	12-13	10. 1-15. 7	22. 45	12. 1	1 37. 58
12-13	8. 7-13. 8	26. 54	10. 8	1 40. 98	13	20. 4-21. 6	23. 88	0. 5	1 38. 32
13	18. 0-22. 0	27. 91	20. 1	1 41. 84	13-14	10. 3-15. 7	22. 11	10. 8	1 36. 99
13-14	9. 4-15. 8	27. 31	9. 8	—1 41. 95	14		. .	14. 6	—1 36. 28
14	19. 2-21. 6	28. 94	20. 3	—1 42. 19	14	20. 2-22. 2	23. 36	21. 2	—1 36. 36
14-15	10. 0-14. 2	27. 33	11. 2	1 41. 54	17	11. 05	24. 17	12. 3	1 38. 24
15	20. 0-20. 8	28. 35	19. 3	1 41. 28	18	14. 20	23. 00	. .	. . .
15-16	9. 4-14. 2	25. 56	10. 5	1 40. 14	18	1. 1-2. 0	25. 38	2. 5	1 39. 82
16	20. 2-21. 6	26. 20	20. 0	—1 39. 09	18-19	10. 5-15. 5	24. 96	12. 6	—1 37. 82
17	21. 8-23. 9	26. 80	20. 8	—1 38. 89	19	21. 4-21. 6	25. 05	. .	. . .
18	22. 8-23. 9	24. 44	22. 3	1 38. 94*	19	2. 1-3. 0	26. 30	0. 9	—1 39. 41
20		. .	10. 1	1 39. 18	19-20	12. 9-17. 2	24. 34	15. 0	—1 39. 27
21	14. 7-15. 5	24. 25	. .	. . .	20	20. 4-21. 6	27. 08	. .	. . .
21	19. 8-21. 8	26. 80	. .	. . .	20	3. 5-4. 4	25. 65	. .	. . .
21	1. 4-2. 4	27. 48	1. 0	—1 40. 51	20-21	11. 2-15. 7	24. 59	12. 4	—1 38. 75
21	9. 44	26. 65	. .	. . .	21		. .	15. 0	1 39. 70
22	13. 45	24. 90	12. 2	—1 37. 35	21	4. 4-5. 0	25. 45	5. 3	1 38. 50
22	23. 9-3. 5	26. 66	1. 8	1 40. 20	22	5. 0-6. 3	25. 15	6. 9	1 38. 30
22	9. 69	25. 77	10. 5	—1 39. 15	23	14. 2-18. 8	23. 70	18. 0	—1 38. 04
23	13. 76	23. 08	. .	. . .	23-24	11. 7-16. 4	24. 22	15. 9	—1 37. 98
23	3. 7-4. 4	24. 60	4. 8	—1 39. 19	25	14. 2-18. 6	23. 50	. .	. . .
24	4. 5-5. 4	24. 52	6. 4	1 37. 56	25	7. 5-8. 7	24. 20	8. 9	1 37. 85
26	6. 3-7. 5	25. 30	7. 8	1 39. 51	26	14. 2-17. 5	23. 10	15. 1	—1 35. 96
26-27	9. 4-14. 7	24. 69	10. 9	—1 39. 29	26	10. 1-10. 3	24. 25	. .	. . .
27	7. 2-7. 7	25. 18	8. 3	—1 39. 07	26	12. 87	22. 80	13. 5	—1 37. 55
27	9. 84	26. 08	10. 8	1 39. 62	27	16. 42	20. 98	17. 4	1 35. 27
28	15. 01	24. 15	. .	. . .	27	9. 4-10. 3	23. 48	10. 5	1 37. 14
29	8. 7-9. 8	24. 20	10.	1 38. 27	Nov. 1-2	11. 7-16. 4	26. 30	15. 0	1 38. 30
30	20. 2-21. 4	25. 00	19. 9	—1 37. 85	3-4	11. 7-17. 5	25. 48	12. 4	—1 40. 35

TABLE VIII.—*Equator Points derived from Direct Observation of Ephemeris Stars and Zenith Point Corrections from Nadir Observations—Continued.*

Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.	Date.	Sidereal Hour.	Equator Point.	Sid. Hour of Nadir.	Z. P. Correction.
SIX-INCH TRANSIT CIRCLE—Continued.					SIX-INCH TRANSIT CIRCLE—Continued.				
1899.	h h	321° 6'	h	' "	1899.	h h	321° 6'	h	' "
Nov. 6-7	12.2-19.4	25.84	16.9	-1 39.37	Dec. 8		. .	19.2	-1 32.60
8	18.6-20.2	25.18	. .		8	21.7-22.6	19.65	. .	
8-9	12.9-17.2	25.61	14.6	1 38.30	8	5.3-6.0	19.92	4.6	1 33.81
9	20.2-20.8	27.38	. .		8-9	14.2-19.0	19.49	15.2	-1 34.42
9-10	13.3-19.0	23.74	12.7	-1 38.57	9	22.6-23.6	21.18	. .	
10		. .	17.0	-1 38.53	10	16.30	20.00	16.7	-1 34.02
10	21.3-21.8	24.40	22.3	1 39.23	11	18.79	16.93	19.4	1 32.23
10-11	14.2-18.6	24.50	14.4	1 39.18	12	1.1-2.1	12.95	3.3	1 26.95
12	22.8-23.9	26.25	22.5	1 38.76	12	5.3-6.0	13.72	. .	
12-13	12.9-17.7	24.26	14.7	-1 39.32	12-13	14.2-19.8	12.32	16.7	-1 26.98
13	23.9-1.0	25.92	2.2	-1 38.51	13	1.8-3.2	14.32	2.5	-1 28.09
14	1.0-1.7	26.00	. .		13-14	15.5-18.6	14.50	17.1	1 27.74
15-16	12.9-19.0	24.85	15.7	1 38.81	14-15	15.5-19.8	14.88	. .	
18	4.2-5.3	25.15	4.6	-1 39.12	15	4.4-6.0	15.17	. .	
19	5.8-6.7	26.88	. .		15-16	14.5-19.8	14.84	15.2	-1 27.64
19-20	13.3-18.6	25.03	15.2	-1 38.53	16	5.3-6.0	15.45	5.2	-1 29.81
20	5.5-7.2	26.18	. .		17	6.3-7.5	16.50	. .	
20-21	13.3-19.3	24.86	15.3	1 39.75	17-18	15.2-19.8	15.59	17.1	1 30.42
21		. .	17.6	-1 39.50	18	1.1-7.8	15.35	2.0	-1 28.53
21	5.3-6.0	25.83	. .		19	5.5-6.0	23.03	. .	
23	5.5-6.0	27.60	. .		19	7.7-9.0	21.02	. .	
23	9.0-9.8	27.00	. .		19-20	15.5-19.8	22.37	16.8	-1 35.82
24	5.3-6.3	23.68	. .		20	1.1-6.0	20.80	2.2	1 32.54
24	10.1-10.7	24.20	9.6	-1 37.06	20	8.7-9.7	19.65	. .	
25	10.1-11.4	25.56	. .		20-21	15.2-19.8	18.08	17.3	-1 31.03
26	11.5-12.9	22.90	12.5	-1 37.92	21	1.1-5.8	19.48	. .	
26-27	13.3-18.6	21.91	15.8	1 36.43	21	9.7-10.5	19.65	10.8	-1 32.95
27		. .	18.2	1 35.89	21	15.54	17.65	16.9	1 29.78
28	5.3-6.0	24.65	. .		22	18.93	16.12	19.6	-1 29.78
28-29	13.8-18.6	23.60	15.8	-1 38.30	22	5.5-11.2	56.77	5.0	-3 9.07
30	14.01	23.25	15.0	-1 37.23	22		. .	10.0	-3 9.04
Dec. 1	17.74	21.35	18.6	1 36.39	25	12.2-13.5	23.50	. .	
1-2	13.8-19.0	23.09	14.9	1 38.36	25	16.48	23.40	. .	
3-4	13.3-19.0	23.89	15.9	1 38.25	26	19.35	21.17	. .	
4-5	13.8-19.8	24.29	16.2	-1 39.08	26	5.3-5.8	23.70	. .	
5-6	14.5-20.5	22.76	16.0	-1 37.60	26	13.1-14.2	22.40	. .	
6		. .	19.5	1 36.36	28	15.84	24.68	. .	
6	5.3-6.0	23.80	4.6	1 36.99	29	19.77	23.50	19.6	-1 36.79
6-7	14.7-19.8	20.24	19.2	1 33.68	29-30	16.2-19.0	22.20	17.0	-1 35.80
7-8	14.2-18.8	18.16	15.8	-1 32.40					

TABLE IX.—*Number of Observations made by each Observer.*

Observer.	1894.		1895.		1896.		1897.		1898.		1899.		Total.	
	Determin- ing stars.	Objects de- termined.	Determin- ing stars.	Objects de- termined.	Determin- ing stars.	Objects de- termined.	Determin- ing stars.	Objects de- termined.	Determin- ing stars.	Objects de- termined.	Determin- ing stars.	Objects de- termined.	Determin- ing stars.	Objects de- termined.
Skinner . . .	68	15	71	13	316	101	655	190	519	155	161	39	1,790	513
Paul	123	29	356	143	261	106	34	12	..	..	..	..	774	290
King	40	10	69	24	310	101	592	194	582	189	166	54	1,759	572
Littell	72	14	365	102	168	62	331	100	618	193	373	110	1,927	581
Lawton	..	..	..	..	97	29	583	179	195	59	347	97	1,222	364
Boeger	..	..	..	..	102	37	441	139	350	98	467	149	1,360	423
Brown	..	..	..	..	..	..	277	88	304	92	326	103	907	283
Porter	..	..	..	..	..	..	37	12	191	54	..	..	228	66
Eichelberger .	..	..	..	..	..	..	..	..	26	9	270	70	296	79
See	..	..	..	..	..	..	..	..	..	..	99	30	99	30
Updegraff . .	..	..	..	..	..	..	..	..	..	..	246	67	246	67
Total . .	303	68	861	282	1,254	436	2,950	914	2,785	849	2,455	719	10,608	3,268
Grand total													13,876	

NINE-INCH TRANSIT CIRCLE.

OBSERVATIONS AND REDUCTIONS.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
CLAMP EAST.													
October 10, K.													
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	μ Capr'corni	11	48 9.91	- 0.37	-35.09	52 52 4.32	47.185	+ 1	15.6	47.4	21 47 . .		
2	η Aquarii	11	11 53.25	- 0.34	-35.12	47 8 1.68	46.630	+ 1	1.8	46.7	22 11 . .		
3	π Aquarii	11	20 30.42	- 0.28	-35.11	38 0 5.70	43.944	+ 1	44.9	47.5	22 19 . .		
4	Moon I, S.	11	30 4.55	- 0.37	-35.10	51 40 31.02	46.593	+ 1	12.7	46.7	22 29 29.08	+63.26	- 12 51 4.2
5	λ Aquarii	11	47 43.97	- 0.34	-35.08	46 58 32.70	44.846	+ 1	1.6	48.9	22 47 . .		
6	α Pegasi	11	0 7.28	- 0.20	-35.07	24 12 1.60	45.705	+ 1	25.9	46.1	22 59 . .		
7	β Andromedæ					3 48 0.62	42.345	+ 1	3.9	46.0	1 3 . .		
8	α Ursæ Minoris . . .	3	21 15.63	+13.28	[-35.11]	310 8 . .				1 20 . .			
9	σ Piscium	11	40 26.83	- 0.24	-35.26	30 12 1.08	47.188	+ 1	33.7	45.6	1 39 . .		
10	β Arietis	8	49 26.22	- 0.17	-35.41	18 31 58.85	48.215	+ 1	19.5	45.9	1 48 . .		
11	Mars I, S.	6	58 44.44	- 0.24	-35.35	29 43 58.70	44.195	+ 1	33.1	46.7	1 58 8.85	+ 0.84	+ 9 6 53.2
12	Mars II, N.	5	58 46.13	- 0.24	-35.35	29 43 58.70	42.650	+ 1	33.1	46.7	1 58 10.54	- 0.85	+ 9 7 22.6
13	ξ Ceti	4	8 2.03	- 0.24	-35.36	30 30 5.42	42.095	+ 1	34.1	46.1	2 7 . .		
October 11, S.													
14	λ Aquarii	11	47 44.90	- 0.18	-36.17	46 58 . .				22 47 . .			
15	Moon I, S.	11	15 45.03	- 0.17	-36.23	45 48 5.30	46.540	+ 1	0.0	45.8	23 15 8.63	+62.79	- 6 58 25.7
16	ι Piscium	8	35 9.74	- 0.14	-36.28	33 45 58.58	48.220	+ 1	39.0	46.4	23 34 . .		
17	ω Piscium	11	54 31.92	- 0.14	-36.25	32 34 2.42	43.468	+ 1	37.3	46.2	23 53 . .		
18	β Ceti	11	38 56.53	- 0.20	-36.38	57 24 2.25	42.834	+ 1	31.0	45.4	0 38 . .		
19	β Andromedæ	11	4 27.65	- 0.03	-36.22	3 48 1.35	42.202	+ 1	3.9	46.3	1 3 . .		
20	η Ceti	11	19 23.67	- 0.18	-36.35	47 34 3.78	43.240	+ 1	3.8	46.3	1 18 . .		
21	α Ursæ Minoris . . .	5	21 21.05	+ 9.08	[-36.28]	310 8 . .				1 20 . .			
22	σ Piscium	11	40 27.73	- 0.13	-36.26	30 12 4.48	46.985	+ 1	34.0	45.4	1 39 . .		
23	β Arietis	11	49 27.05	- 0.09	-36.32	18 32 4.55	47.966	+ 1	19.6	45.0	1 48 . .		
24	Mars I, S.	6	57 29.84	- 0.13	-36.33	29 46 5.18	48.148	+ 1	33.4	45.8	1 56 53.38	+ 0.74	+ 9 3 30.4
25	Mars II, N.	5	57 31.33	- 0.13	-36.33	29 46 5.18	46.915	+ 1	33.4	45.8	1 56 54.87	- 0.75	+ 9 3 53.8
26	ξ Ceti	11	8 2.89	- 0.13	-36.31	30 30 9.28	41.835	+ 1	34.4	45.1	2 7 . .		
October 15, S.													
27	β Andromedæ	11	4 30.07	- 0.08	-38.56	3 48 6.55	42.105	+ 1	4.0	48.9	1 3 . .		
28	α Ursæ Minoris . . .	5	21 25.93	+ 7.10	[-38.61]	310 8 . .				1 20 . .			
29	σ Piscium	11	40 30.13	- 0.16	-38.59	30 12 8.10	46.949	+ 1	34.6	49.2	1 39 . .		
30	β Arietis	11	49 29.45	- 0.13	-38.63	18 32 7.20	47.965	+ 1	20.0	48.5	1 48 . .		
31	Mars I, N.	6	52 19.26	- 0.16	-38.58	30 0 8.60	47.680	+ 1	34.3	49.2	1 51 40.52	+ 0.73	+ 8 49 36.7
32	Mars II, S.	5	52 20.73	- 0.16	-38.58	30 0 8.60	48.860	+ 1	34.3	49.2	1 51 41.99	- 0.74	+ 8 49 13.4
33	α Arietis	11	1 54.25	- 0.12	-38.57	15 52 . .				2 1 . .			
34	ξ Ceti	11	8 5.21	- 0.16	-38.55	30 30 9.55	42.100	+ 1	35.0	49.0	2 7 . .		
35	ξ Ceti	11	23 13.74	- 0.16	-38.59	30 52 10.20	41.670	+ 1	35.5	49.6	2 22 . .		
36	Moon II, N.	11	31 44.99	- 0.13	-38.58	20 34 9.45	47.283	+ 1	22.3	49.2	2 31 6.28	-68.90	+ 18 15 57.1
37	γ Ceti	11	38 30.79	- 0.18	-38.56	36 2 9.05	46.862	+ 1	43.3	50.0	2 37 . .		
October 16, P.													
38	ϵ Piscium	11	58 11.67	- 0.17	-41.43	31 30 3.75	48.085	+ 1	35.0	49.4	0 57 . .		
39	α Ursæ Minoris . . .	7	21 26.74	+ 9.35	[-41.46]	310 8 . .				1 20 . .			
40	η Piscium	11	26 33.88	- 0.14	-41.48	24 2 2.15	46.134	+ 1	25.5	49.2	1 25 . .		
41	σ Piscium	11	40 33.01	- 0.16	-41.46	30 11 59.25	47.451	+ 1	33.2	48.4	1 39 . .		
42	Mars I, N.	6	51 2.29	- 0.16	-41.50	30 3 59.10	47.105	+ 1	33.1	49.1	1 50 20.63	+ 0.86	+ 8 45 59.8
43	Mars II, S.	5	51 4.01	- 0.16	-41.50	30 3 59.10	48.432	+ 1	33.1	49.1	1 50 22.35	- 0.86	+ 8 45 34.7
44	α Arietis	11	1 57.21	- 0.11	-41.53	15 51 59.70	47.712	+ 1	16.3	48.8	2 1 . .		
45	ξ Ceti	11	8 8.20	- 0.16	-41.53	30 30 3.10	42.512	+ 1	33.6	49.0	2 7 . .		
46	γ Ceti	11	38 33.75	- 0.18	-41.50	36 2 0.80	47.388	+ 1	41.6	50.0	2 37 . .		
47	α Ceti	11	57 29.65	- 0.18	-41.60	35 10 2.60	43.925	+ 1	40.3	49.4	2 56 . .		

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				"/	"/	"/	"/
10 21 30	29.535	53.4	52.3	4, 15, 36.	Bisections at III, IV, V.	4	+42 58.6	+14 59.8	. . .	+57 58.4
22 55	29.545	50.2	49.2	10, 16, 19, 26.	Bisections at VI, VII.	11	+ 10.1	+ 14.7	0.0	+ 24.8
1 30	29.565	49.1	46.7	11, 25, 42.	Bisections at I, VII.	12	+ 10.1	- 14.7	. . .	- 4.6
2 5	29.585	48.0	47.0	12, 24, 34, 35, 37, 43, 44, 45, 46, 47.	Bisections at II, VI.	15	+39 37.0	+15 7.9	. . .	+54 44.9
11 22 5	30.015	53.4	53.8	13, 32.	Bisection at VII.	24	+ 10.1	+ 11.7	0.0	+ 21.8
23 6	30.025	51.5	50.8	27.	Bisections at II, VII.	25	+ 10.1	- 11.7	. . .	- 1.6
0 28	30.045	50.7	51.0	31.	Bisection at VI.	31	+ 10.2	- 11.7	. . .	- 1.5
1 43	30.065	50.0	50.5			32	+ 10.2	+ 11.6	0.0	+ 21.8
2 13	29.995	43.8	41.3			36	+20 9.2	-15 45.3	. . .	+ 4 23.9
2 15	29.895	41.9	40.2			42	+ 10.2	- 12.6	0.0	- 2.4
2 45	29.885	41.6	39.6			43	+ 10.2	+ 12.5	. . .	+ 22.7
16 0 58	29.505	54.7	53.2	27 to 47. Two microscopes read.						
1 52	29.495	54.5	53.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instru- ment.	Clock.								
1	ζ Arietis	11	9	33.94	- 0.12	-41.60	18 11 59.70	43.242	+ 18.8	48.9	3 8 . . .	.	.	.
2	Moon II, N.	11	28	42.08	- 0.11	-41.60	15 40 2.35	43.980	+ 16.1	49.1	3 28 0.37	-71.96	+ 23 11 13.1	.
October 17, K.														
3	α Ursæ Minoris	4	21	14.52	+22.28	[-42.01]	310 8 . . .	.	.	.	1 20 . . .	.	.	.
4	η Piscium	7	26	34.55	- 0.39	-41.89	24 2 1.00	46.220	+ 25.6	51.9	1 25 . . .	.	.	.
5	ο Piscium	11	40	33.82	- 0.44	-41.98	30 12 9.35	47.071	+ 33.4	51.5	1 39 . . .	.	.	.
6	Mars I, N.	6	49	42.53	- 0.44	-42.03	30 8 0.95	45.950	+ 33.3	51.9	1 49 0.06	+ 0.99	+ 8 42 24.6	.
7	Mars II, S.	5	49	44.51	- 0.44	-42.03	30 8 0.95	46.990	+ 33.3	51.9	1 49 2.04	- 0.99	+ 8 42 0.4	.
8	α Arietis	11	1	58.05	- 0.31	-42.16	15 52 5.90	47.562	+ 16.4	52.5	2 1 . . .	.	.	.
9	ξ ¹ Ceti	11	8	9.05	- 0.44	-42.08	30 30 7.50	42.415	+ 33.8	51.8	2 7 . . .	.	.	.
October 18, S.														
10	ε Piscium	11	58	13.75	- 0.26	-43.41	31 30 8.65	47.815	+ 35.7	50.0	0 57 . . .	.	.	.
11	θ ¹ Ceti	11	19	30.88	- 0.31	-43.38	47 34 8.00	43.294	+ 1 3.6	51.0	1 18 . . .	.	.	.
12	α Ursæ Minoris	5	21	31.26	+ 7.10	[-43.43]	310 8 . . .	.	.	.	1 20 . . .	.	.	.
13	ο Piscium	11	40	35.07	- 0.26	-43.40	30 12 8.70	47.014	+ 33.9	50.4	1 39 . . .	.	.	.
14	Mars I, S.	6	48	23.41	- 0.26	-43.42	30 12 8.60	45.390	+ 33.9	50.2	1 47 39.73	+ 0.79	+ 8 38 23.3	.
15	Mars II, N.	5	48	24.99	- 0.26	-43.42	30 12 8.60	44.190	+ 33.9	50.2	1 47 41.31	- 0.79	+ 8 38 46.1	.
16	α Arietis	11	1	59.27	- 0.22	-43.45	15 52 8.15	47 235	+ 16.6	49.6	2 1 . . .	.	.	.
17	ξ ¹ Ceti	11	8	10.22	- 0.26	-43.42	30 30 8.55	42.224	+ 34.3	49.8	2 7 . . .	.	.	.
18	ξ ² Ceti	11	23	18.75	- 0.26	-43.46	30 52 8.40	41.814	+ 34.9	50.1	2 22 . . .	.	.	.
October 19, P.														
19	ε Piscium	11	58	14.81	- 0.22	-44.51	31 30 6.05	47.912	+ 35.5	49.0	0 57 . . .	.	.	.
20	α Ursæ Minoris	10	21	30.73	+ 8.79	[-44.51]	310 8 . . .	.	.	.	1 20 . . .	.	.	.
21	η Piscium	11	26	36.95	- 0.19	-44.47	24 2 4.02	46.005	+ 25.9	49.1	1 25 . . .	.	.	.
22	ο Piscium	11	40	36.13	- 0.21	-44.50	30 14 4.78	40.830	+ 33.8	48.7	1 39 . . .	.	.	.
23	Mars I, S.	5	47	4.25	- 0.21	-44.53	30 14 4.78	50.462	+ 33.8	48.8	1 46 19.51	+ 0.77	+ 8 34 49.3	.
24	Mars II, N.	6	47	5.79	- 0.21	-44.53	30 14 4.78	49.272	+ 33.8	48.8	1 46 21.05	- 0.77	+ 8 35 12.0	.
25	ξ ¹ Ceti	11	8	11.35	- 0.21	-44.59	30 30 8.22	42.190	+ 34.2	48.7	2 7 . . .	.	.	.
26	ξ ² Ceti	11	23	19.85	- 0.21	-44.59	30 52 1.90	42.099	+ 34.6	48.7	2 22 . . .	.	.	.
October 20, L.														
27	ε Piscium	11	58	15.85	- 0.25	-45.51	31 30 11.35	47.918	+ 35.1	54.1	0 57 . . .	.	.	.
28	θ ¹ Ceti	11	19	33.09	- 0.27	-45.62	47 34 . . .	.	.	.	1 18 . . .	.	.	.
29	α Ursæ Minoris	4	21	37.08	+ 3.48	[-45.55]	310 8 . . .	.	.	.	1 20 . . .	.	.	.
30	η Piscium	11	26	37.98	- 0.24	-45.45	24 2 9.25	46.038	+ 25.5	54.7	1 25 . . .	.	.	.
31	ο Piscium	11	40	37.23	- 0.25	-45.56	30 12 10.10	47.122	+ 33.3	53.3	1 39 . . .	.	.	.
32	Mars I, S.	6	45	44.99	- 0.25	-45.54	30 18 22.85	48.410	+ 33.5	53.8	1 44 59.20	+ 0.70	+ 8 31 15.6	.
33	Mars II, N.	5	45	46.39	- 0.25	-45.54	30 18 22.85	47.100	+ 33.5	53.8	1 45 0.60	- 0.70	+ 8 31 40.6	.
34	ξ ¹ Ceti	11	8	12.36	- 0.25	-45.55	30 30 10.75	42.312	+ 33.7	53.1	2 7 . . .	.	.	.
October 24, K.														
35	β Andromedæ	11	4	40.49	+ 0.06	-49.07	3 48 1.95	42.508	+ 3.9	53.1	1 3 . . .	.	.	.
36	α Ursæ Minoris	5	21	34.10	+ 9.59	[-49.15]	310 8 . . .	.	.	.	1 20 . . .	.	.	.
37	η Piscium	11	26	41.47	- 0.02	-49.14	24 2 6.05	46.175	+ 25.9	54.8	1 25 . . .	.	.	.
38	Mars I, S.	4	40	33.65	- 0.05	-49.13	30 32 41.25	45.235	+ 34.2	53.9	1 39 44.47	+ 0.72	+ 8 17 54.6	.
39	Mars II, N.	3	40	35.08	- 0.05	-49.13	30 32 41.25	43.960	+ 34.2	53.9	1 39 45.90	- 0.71	+ 8 18 19.7	.
40	β Arietis	11	49	39.95	0.00	-49.17	18 32 7.75	48.218	+ 19.5	54.2	1 48 . . .	.	.	.
41	ξ ¹ Ceti	11	8	15.78	- 0.05	-49.13	30 30 14.50	42.102	+ 34.2	53.5	2 7 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
16 3 10	29.475	53.0	51.1	1, 14, 19, 21, 24, 25, 33.	Bisections at II, VI.	2	+15 34.4	-15 53.1	.	- 0 18.7
17 0 20	29.675	57.3	55.1	2.	Bisections at II, III, IV, V, VI.	6	+ 10.2	- 12.1	0.0	- 1.9
17 2 10	29.685	54.8	53.4	4.	Bisections at VI, VII.	7	+ 10.2	+ 12.1	.	+ 22.3
18 1 2	29.925	52.6	50.2	6.	Bisections at I, II.	14	+ 10.2	+ 11.4	.	+ 21.6
1 57	29.925	51.8	49.6	7, 38.	Bisection at VII.	15	+ 10.2	- 11.4	0.0	- 1.2
2 16	29.925	51.5	49.3	15, 23, 32.	Bisections at I, VII.	23	+ 10.2	+ 11.3	.	+ 21.5
19 0 59	29.895	55.5	52.2	16.	Bisections at II, VI, VII.	24	+ 10.2	- 11.4	0.0	- 1.2
2 24	29.875	53.5	51.5	39.	Bisection at VI.	32	+ 10.2	+ 12.5	.	+ 22.7
20 0 39	29.885	59.6	58.9			33	+ 10.2	- 12.5	0.0	- 2.3
2 11	29.865	59.0	57.6			38	+ 10.1	+ 12.6	.	+ 22.7
24 1 10	29.835	52.8	51.2			39	+ 10.1	- 12.5	0.0	- 2.4
2 0	29.825	51.7	49.8							
31 1 0	29.735	45.2	44.1	1 to 18. } 27 to 41. }	Two microscopes read.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
NEW OBJECT GLASS.													
	October 31, K.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Ursæ Minoris . . .	4	21 40.85	+ 7.90	[−54.69]	310 8				1 20			
2	Mars I, N.	6	32 20.90	− 0.36	−54.68	30 50 4.08	48.452	+ 35.1	65.6	1 31 25.86	+ 0.73	+ 7 59 42.4	
3	Mars II, S.	5	32 22.36	− 0.36	−54.68	30 50 4.08	49.632	+ 35.1	65.6	1 31 27.32	− 0.73	+ 7 59 19.9	
4	o Piscium	11	40 46.56	− 0.36	−54.71	30 12 7.00	47.795	+ 34.2	65.3	1 39			
5	β Arietis	11	49 45.81	− 0.32	−54.66	18 32 8.22	48.632	+ 19.8	65.7	1 48			
6	ξ ¹ Ceti	11	8 21.70	− 0.36	−54.67	30 30 9.70	42.910	+ 34.7	65.9	2 7			
November 1, S.													
7	ε Piscium	11	58 25.84	− 0.10	−55.63	31 30 12.70	48.308	+ 35.7	64.9	0 57			
8	α Ursæ Minoris . . .	5	21 42.10	+ 7.48	[−55.62]	310 8				1 20			
9	η Piscium	11	26 48.07	− 0.08	−55.64	24 2 11.60	46.352	+ 26.0	65.2	1 25			
10	Mars I, N.	6	31 18.42	− 0.10	−55.67	30 52 11.60	47.878	+ 34.9	64.8	1 30 22.65	+ 0.68	+ 7 57 45.3	
11	Mars II, S.	5	31 19.78	− 0.10	−55.67	30 52 11.60	49.015	+ 34.9	64.8	1 30 24.01	− 0.68	+ 7 57 23.6	
12	o Piscium	11	40 47.26	− 0.10	−55.67	30 12 12.30	47.479	+ 34.0	64.3	1 39			
13	ξ ¹ Ceti	11	8 22.46	− 0.10	−55.69	30 30 12.22	42.725	+ 34.4	64.5	2 7			
14	ξ ² Ceti	11	23 30.99	− 0.10	−55.71	30 52 11.65	42.285	+ 34.9	65.0	2 22			
November 2, P.													
15	γ ² Sagittarii	11	59 58.56	− 0.26	−56.30	69 14 8.45	46.719	+ 2 27.8	64.4	17 59			
16	δ Ursæ Minoris . . .	6	6 53.09	+ 2.03	[−56.28]	312 16				18 5			
17	η Serpentis	11	16 47.74	− 0.20	−56.33	41 46 6.55	45.461	+ 50.4	66.7	18 15			
18	ι Aquilæ	11	30 24.74	− 0.22	−56.27	47 8 3.70	49.748	+ 1 0.8	65.5	18 29			
19	α Lyrae	11	34 17.93	− 0.10	−56.21	0 10				18 33			
20	Moon I.	11	46 54.27	− 0.27	−56.28	67 47				18 45 57.72	+ 70.22		
November 3, I.													
21	δ Ursæ Minoris . . .	10	6 52.57	+ 3.08	[−57.20]	312 16				18 5			
22	α Lyrae	11	34 18.88	− 0.13	−57.15	0 10 11.18	45.194	+ 0.2	67.9	18 33			
23	δ Aquilæ	10	21 8.68	− 0.26	−57.23	35 56 10.85	46.016	+ 41.8	67.1	19 20			
24	Moon I, S.	11	41 53.58	− 0.35	−57.19	66 7 41.48	44.013	+ 2 9.9	67.3	19 40 56.04	+ 68.70	− 27 18 2.8	
25	r Aquilæ	11	59 57.13	− 0.25	−57.11	31 52				19 58			
26	α ² Capricorni	11	13 10.52	− 0.30	−57.24	51 42 7.78	46.520	+ 1 13.3	67.6	20 12			
27	π Capricorni	11	22 15.55	− 0.32	−57.24	57 22 7.38	49.398	+ 1 30.5	69.5	20 21			
28	ε Piscium	11	58 27.76	− 0.18	−57.47	31 30 7.90	48.655	+ 35.8	67.7	0 57			

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	ε Bootis	10	41 27.14	+ 0.11	-64.75	11 20 6.22	45.460	+ 11.7	65.5	14 40 . . .			
2	Venus I, N.	6	45 51.40	- 0.03	-64.75	53 48 5.20	50.460	+ 1 19.6	65.2	14 44 46.62	+ 0.34	- 14 59 41.9	
3	Venus II, S.	5	45 52.08	- 0.03	-64.75	53 48 5.20	50.850	+ 1 19.6	65.2	14 44 47.30	- 0.34	- 14 59 51.9	
	November 10, L.												
4	Mercury I, C.	6	5 14.68	- 0.04	-64.77	56 8 6.00	44.281	+ 1 26.6	65.2	15 4 9.87	+ 0.35	- 17 17 51.1	
5	Mercury II	5	5 15.38	- 0.04	-64.77					15 4 10.57	- 0.35		
6	β Herculis	11	26 45.38	+ 0.09	-64.81	17 8 7.30	44.665	+ 18.0	65.6	16 25 . . .			
7	κ Ophiuchi	11	53 45.05	+ 0.04	-64.86	29 18 7.42	46.582	+ 32.7	65.4	16 52 . . .			
8	α' Herculis	11	10 54.76	+ 0.06	-64.85	24 20 6.52	46.012	+ 26.4	65.1	17 9 . . .			
	November 11, S.												
9	α Virginis	11	20 44.21	+ 0.13	-66.39	49 26 8.22	47.540	+ 1 10.9	65.0	13 19 . . .			
10	α Ursæ Minoris S. P.	5	22 8.21	- 11.06	[-66.40]	307 38 3.02	44.400	- 1 18.3	[66.8]	1 20 . . .			
11	η Bootis	11	50 45.79	+ 0.21	-66.40	19 56 8.50	43.408	+ 22.0	65.5	13 49 . . .			
12	α Bootis	11	11 57.00	+ 0.21	-66.44	19 6 8.95	48.709	+ 21.0	64.6	14 10 . . .			
13	ε Bootis	11	41 28.71	+ 0.24	-66.46	11 20 12.38	45.120	+ 12.2	65.2	14 40 . . .			
14	Venus I, N.	6	55 46.22	+ 0.12	-66.47	54 42 7.62	41.450	+ 1 24.9	65.2	14 54 39.87	+ 0.32	- 15 47 43.0	
15	Venus II, S.	5	55 46.86	+ 0.12	-66.47	54 42 7.62	41.980	+ 1 24.9	65.2	14 54 40.51	- 0.32	- 15 47 53.3	
	November 12, S.												
16	Sun I, S.	10	11 29.47	+ 0.12	-66.49	56 56 8.28	46.672	+ 1 32.4	65.2	15 10 23.10	+ 68.40	- 18 6 43.2	
17	Sun II, N.	11	13 46.26	+ 0.12	-66.49	56 24 8.50	45.282	+ 1 30.6	65.2	15 12 39.89	- 68.39	- 17 34 18.6	
18	η Herculis	11	40 22.22	+ 0.29	-66.52	359 44 7.72	44.888	+ 0.2	65.2	16 39 . . .			
19	α' Herculis	8	10 56.43	+ 0.19	-66.66	24 20 13.82	45.452	+ 27.1	65.1	17 9 . . .			
20	α Ophiuchi	11	31 8.47	+ 0.19	-66.62	26 12 8.22	47.058	+ 29.5	65.4	17 30 . . .			
21	μ Herculis	11	43 25.72	+ 0.24	-66.60	11 4 8.82	45.465	+ 11.7	65.2	17 42 . . .			
	November 12, P.												
22	α Virginis	4	20 45.23	- 0.02	-67.24	49 26 . . .				13 19 . . .			
23	α Ursæ Minoris S. P.	5	22 8.87	- 11.08	[-67.27]	307 38 . . .				1 20 . . .			
24	η Bootis	11	50 46.83	+ 0.07	-67.28	19 56 7.10	43.396	+ 21.5	63.2	13 49 . . .			
25	α Bootis	11	11 57.98	+ 0.07	-67.27	19 6 6.78	48.755	+ 20.5	62.5	14 10 . . .			
	November 13, P.												
26	Sun I, S.	11	15 35.39	- 0.04	-67.30	57 12 15.50	46.208	+ 1 31.1	63.5	15 14 28.05	+ 68.40	- 18 22 41.9	
27	Sun II, N.	11	17 52.19	- 0.04	-67.30	56 40 13.05	45.030	+ 1 29.2	63.5	15 16 44.85	- 68.40	- 17 50 18.7	
28	η Serpentis	11	16 58.51	0.00	-67.39	41 46 7.42	45.234	+ 52.0	64.1	18 15 . . .			
29	α Lyræ	11	34 28.65	+ 0.16	-67.39	0 10 6.92	45.316	+ 0.2	64.3	18 33 . . .			
	November 13, K.												
30	α Bootis	10	11 58.60	+ 0.03	-67.83	19 6 . . .				14 10 . . .			
31	Venus I, S.	6	5 46.00	- 0.03	-67.86	55 24 9.10	45.488	+ 1 24.2	66.1	15 4 38.11	+ 0.39	- 16 34 14.0	
32	Venus II, N.	5	5 46.78	- 0.03	-67.86	55 24 9.10	44.965	+ 1 24.2	66.1	15 4 38.89	- 0.39	- 16 34 4.1	
	November 14, K.												
33	Sun I, N.	11	19 41.62	- 0.03	-67.86	56 56 9.15	44.080	+ 1 29.2	66.1	15 18 33.73	+ 68.67	- 18 5 50.3	
34	Sun II, S.	8	21 58.96	- 0.03	-67.86	57 28 3.40	45.660	+ 1 31.1	66.1	15 20 51.07	- 68.67	- 18 38 20.4	
35	α Ophiuchi	11	31 9.93	+ 0.02	-67.92	26 12 6.70	47.196	+ 28.8	65.5	17 30 . . .			
36	δ Ursæ Minoris	5	6 59.68	+ 3.04	[-67.94]	312 16 16.25	43.325	- 1 4.0	[66.0]	18 5 . . .			
37	η Serpentis	11	16 59.10	- 0.01	-67.97	41 46 7.68	45.394	+ 52.3	67.6	18 15 . . .			
38	α Lyræ	11	34 29.25	+ 0.09	-67.93	0 10 10.92	45.162	+ 0.2	65.1	18 33 . . .			
	November 14, L.												
39	α Virginis	11	19 45.48	+ 0.05	- 7.52	49 26 10.90	47.415	+ 1 9.6	63.7	13 19 . . .			
40	α Ursæ Minoris S. P.	7	21 6.18	- 8.66	[- 7.56]	307 38 10.80	44.050	- 1 16.8	[64.1]	1 20 . . .			
41	η Bootis	11	49 46.97	+ 0.11	- 7.42	19 56 11.42	43.201	+ 21.5	63.3	13 49 . . .			
42	α Bootis	11	10 58.25	+ 0.11	- 7.54	19 6 9.52	48.662	+ 20.5	62.9	14 10 . . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
9 15 9	29.615	47.8	45.3	2, 15, 32.	Bisections at II, VI.	2	+ 4.2	- 5.0	0.0	- 0.8
10 16 36	29.625	49.0	45.1		Bisection at VII.	3	+ 4.2	+ 5.0		+ 9.2
11 17 15	29.655	47.0	45.3	3.	Bisections at VI, VII.	4	+ 10.8			+ 10.8
11 17 30		32.8	33.9	6, 17, 18, 19, 27, 34.	Bisections at I, II, VI.	14	+ 4.2	- 5.1	0.0	- 0.9
12 14 7	30.075	39.1	35.4	8.	Bisections at C ₂ , C ₁ .	15	+ 4.2	+ 5.2		+ 9.4
12 15 13	30.055	38.5	38.6	10.	Bisections at I, VII.	16	+ 7.5	+ 16 12.3		+ 16 19.8
12 17 14	30.005	41.4	38.8	14, 31.	Z. D. thread B used.	17	+ 7.4	- 16 12.2		- 16 4.8
12 17 47	30.015	41.9	38.8	14, 15.	Bisections at I, II.	26	+ 7.5	+ 16 11.6		+ 16 19.1
13 15 17	29.905	44.5	44.3	16, 26, 33.	Bisections at II, VI, VII.	27	+ 7.5	- 16 11.6		- 16 4.1
13 15 17	29.865	45.5	47.2	21.	Bisection at IV.	31	+ 4.3	+ 4.9		+ 9.2
13 18 17	29.785	48.0	47.2	36.	Bisection at III.	32	+ 4.3	- 5.0	0.0	- 0.7
13 18 35	29.785	48.5	47.4	40.		33	+ 7.5	- 16 15.0		- 16 7.5
14 25	29.725	46.4	47.0			34	+ 7.5	+ 16 15.1		+ 16 22.6
14 15 5	29.715	47.2	47.4							
14 17 25	29.725	48.0	46.5							
14 18 40	29.725	48.0	44.8							
13 34	29.725	46.4	40.3	4, 5. Observed during transit over sun's disk.						

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ρ Bootis	11	27 24.11	+ 0.14	- 7.49	8 0 9.28	48.782	+ 8.3	62.6	14 27 . .	. .		. .
2	ϵ Bootis	11	40 29.91	+ 0.13	- 7.52	11 20 9.38	45.242	+ 11.8	63.2	14 40 . .	. .		. .
3	Venus N.	. .		. .	. .	55 46 9.70	46.450	+ 1 25.8	63.5	15 9 . .	. .	- 16 56 39.3	. .
4	Venus S.	. .		. .	. .	55 46 9.70	46.958	+ 1 25.8	63.5		. .	- 16 56 47.1	. .
November 15, L.													
5	Sun I, S.	11	22 47.86	+ 0.04	- 7.50	57 42 9.28	49.725	+ 1 32.1	63.5	15 22 40.40	+ 68.73	- 18 53 44.1	. .
6	Sun II, N.	11	25 5.31	+ 0.04	- 7.50	57 10 12.18	47.880	+ 1 30.2	63.5	15 24 57.85	- 68.72	- 18 21 13.5	. .
7	α^1 Herculis	11	9 57.35	+ 0.10	- 7.50	24 20 11.65	45.661	+ 26.2	63.3	17 9 . .	. .		. .
8	α Ophiuchi	8	30 9.45	+ 0.10	- 7.52	26 12 12.28	46.725	+ 28.5	63.8	17 30 . .	. .		. .
9	μ Herculis	11	42 26.69	+ 0.14	- 7.50	11 4 9.80	45.408	+ 11.3	63.2	17 42 . .	. .		. .
10	δ Ursæ Minoris	8	5 58.80	+ 3.17	- 7.55	312 16 . .	. .	. .	. .	18 5 . .	. .		. .
11	η Serpentis	11	15 58.62	+ 0.07	- 7.58	41 46 13.30	45.021	+ 51.5	65.2	18 15 . .	. .		. .
12	ι Aquilæ	11	29 35.58	+ 0.06	- 7.50	47 8 10.98	49.217	+ 1 2.1	64.2	18 29 . .	. .		. .
13	α Lyrae	11	33 28.61	+ 0.18	- 7.40	0 10 9.80	45.060	+ 0.2	64.1	18 33 . .	. .		. .
November 15, P.													
14	α Ursæ Minoris S. P.	5	21 5.68	- 8.69	- 7.39	307 38 . .	. .	. .	. .	1 20 . .	. .		. .
15	η Bootis	11	49 47.12	- 0.05	- 7.39	19 56 5.05	43.451	+ 21.1	61.0	13 49 . .	. .		. .
16	α Bootis	11	10 58.27	- 0.04	- 7.40	19 6 4.65	48.898	+ 20.1	61.9	14 10 . .	. .		. .
17	ρ Bootis	11	27 24.20	- 0.01	- 7.42	8 0 . .	. .	. .	. .	14 27 . .	. .		. .
18	ϵ Bootis	11	40 30.00	- 0.02	- 7.45	11 20 6.60	45.305	+ 11.6	61.1	14 40 . .	. .		. .
November 16, P.													
19	Sun I, N.	11	26 55.56	- 0.13	- 7.43	57 26 10.05	45.242	+ 1 29.5	62.3	15 26 48.00	+ 68.71	- 18 36 17.5	. .
20	Sun II, S.	11	29 12.98	- 0.13	- 7.43	57 58 1.25	46.645	+ 1 31.3	62.3	15 29 5.42	- 68.71	- 19 8 41.2	. .
21	η Serpentis	11	15 58.66	- 0.10	- 7.45	41 46 5.05	45.415	+ 50.6	63.5	18 15 . .	. .		. .
22	α Lyrae	11	33 28.83	+ 0.02	- 7.47	0 10 6.75	45.299	+ 0.2	63.2	18 33 . .	. .		. .
23	β Lyrae	11	46 18.10	0.00	- 7.41	5 36 3.60	47.410	+ 5.6	62.7	18 46 . .	. .		. .
24	σ Sagittarii	11	48 51.39	- 0.14	- 7.48	65 14 5.25	48.425	+ 2 2.3	62.9	18 48 . .	. .		. .
25	Mars I, N.	6	20 15.75	- 0.10	- 7.40	30 54 5.25	47.848	+ 34.5	64.6	1 20 8.25	+ 0.71	+ 7 55 52.5	. .
26	Mars II, S.	5	20 17.12	- 0.10	- 7.40	30 54 5.25	48.902	+ 34.5	64.6	1 20 9.62	- 0.66	+ 7 55 32.3	. .
27	α Ursæ Minoris	7	20 50.59	+ 6.22	- 7.41	310 8 . .	. .	. .	. .	1 20 . .	. .		. .
28	σ Piscium	8	39 58.98	- 0.10	- 7.36	30 12 4.78	47.918	+ 33.5	64.7	1 39 . .	. .		. .
29	β Arietis	11	48 58.41	- 0.08	- 7.45	18 32 5.70	48.718	+ 19.4	64.6	1 48 . .	. .		. .
30	α Arietis	11	1 23.27	- 0.07	- 7.39	15 52 6.65	47.951	+ 16.4	64.6	2 1 . .	. .		. .
November 19, P.													
31	α Ursæ Minoris S. P.	8	21 21.03	- 25.42	- 8.06	307 38 . .	. .	. .	. .	1 20 . .	. .		. .
32	η Bootis	. .		. .	. .	19 56 6.68	43.208	+ 22.3	58.1	13 49 . .	. .		. .
33	α Bootis	11	10 58.51	+ 0.49	- 8.10	19 6 5.32	48.649	+ 21.3	57.9	14 10 . .	. .		. .
34	ρ Bootis	11	27 24.35	+ 0.56	- 8.07	8 0 9.62	48.621	+ 8.7	58.7	14 27 . .	. .		. .
35	ϵ Bootis	11	40 30.11	+ 0.54	- 8.06	11 20 6.72	45.092	+ 12.3	59.0	14 40 . .	. .		. .
November 20, P.													
36	Sun I, S.	11	43 34.21	+ 0.40	- 8.09	58 54 8.05	47.718	+ 1 40.5	58.7	15 43 26.52	+ 69.14	- 20 5 17.6	. .
37	Sun II, N.	11	45 52.49	+ 0.40	- 8.09	58 22 7.92	46.302	+ 1 38.4	58.7	15 45 44.80	- 69.14	- 19 32 52.0	. .
38	μ Herculis	11	42 26.84	+ 0.54	- 8.08	11 4 8.72	45.294	+ 11.8	59.2	17 42 . .	. .		. .
39	δ Ursæ Minoris	11	5 51.23	+ 9.35	- 7.76	312 16 . .	. .	. .	. .	18 5 . .	. .		. .
40	η Serpentis	11	15 58.86	+ 0.41	- 8.18	41 46 6.35	44.971	+ 53.8	59.1	18 15 . .	. .		. .
41	ι Aquilæ	11	29 35.92	+ 0.40	- 8.20	47 8 3.58	49.211	+ 1 4.7	58.2	18 29 . .	. .		. .
42	α Lyrae	11	33 28.67	+ 0.64	- 7.98	0 10 7.20	45.122	+ 0.2	59.4	18 33 . .	. .		. .
November 23, L.													
43	α Ursæ Minoris S. P.	6	20 58.39	- 4.73	- 8.28	307 40 8.28	37.430	- 1 16.7	[54.9]	1 20 . .	. .		. .
44	η Bootis	11	49 48.08	+ 0.03	- 8.27	19 56 9.25	42.964	+ 21.6	54.3	13 49 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
14 14 31	29.905	46.0	45.3	3.	Bisection on VII.	3	+	4.3	- 3.9	0.0	+	0.4	
15 15 30	29.885	49.2	48.9	4, 23, 24, 26.	Bisections on II, VI.	4	+	4.3	+ 3.9	.	+	8.2	
16 16 37	29.845	51.3	50.4	5, 19, 36.	Bisections on I, II.	5	+	7.5	+ 16 15.3	.	+	16 22.8	
17 17 39	29.835	53.5	53.2	6, 8, 13, 20, 35, 37.	Bisections on VI, VII.	6	+	7.5	- 16 15.3	.	-	16 7.8	
18 18 47	29.795	54.8	53.5	12.	Bisections at II, VI, VII.	19	+	7.5	- 16 11.8	.	-	16 4.3	
19 19 50	29.825	53.0	50.0	25.	Bisections at I, VII.	20	+	7.6	+ 16 11.8	.	+	16 19.4	
20 20 41	29.805	55.5	53.4	43.	Bisections at C ₁ , B ₃ .	25	+	8.6	- 10.1	+	0.1	- 1.4	
21 21 49	29.765	61.5	61.2			26	+	8.6	+ 10.2	.	.	18.8	
22 22 2	29.785	54.0	53.4			36	+	7.6	+ 16 12.8	.	.	20.4	
23 23 13	29.885	40.9	39.2	14 to 24. Two microscopes read.		37	+	7.6	- 16 12.8	.	.	5.2	

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCULAR READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Bootis	II	10 59.26	+ 0.03	- 8.30	19 6 7.42	48.426	+ 20.6	53.8	14 10 . . .	.	.	.
2	ρ Bootis	II	27 25.11	+ 0.05	- 8.25	8 0 6.85	48.591	+ 8.4	53.8	14 27 . . .	.	.	.
3	ϵ Bootis	II	40 30.86	+ 0.04	- 8.25	11 20 6.05	45.144	+ 11.9	55.4	14 40 . . .	.	.	.
4	Mercury C, C. . . .	II	44 38.03	0.00	- 8.27	52 8 6.88	46.868	+ 1 16.0	54.5	14 44 29.76	- 0.09	13 18 41.8	.
November 24, L.													
5	Sun I, S.	II	0 26.25	- 0.01	- 8.26	59 46 5.88	44.208	+ 1 40.7	54.5	16 0 17.98	+ 69.68	20 56 12.4	.
6	Sun II, N.	II	2 45.61	- 0.01	- 8.26	59 14 4.25	42.595	+ 1 38.5	54.5	16 2 37.34	- 69.68	20 23 41.5	.
7	α Ophiuchi	II	30 10.27	+ 0.02	- 8.27	26 12 9.00	46.590	+ 28.8	54.5	17 30 . . .	.	.	.
8	α Lyrae	II	33 29.44	+ 0.06	- 8.22	0 10 7.62	44.898	+ 0.2	54.6	18 33 . . .	.	.	.
9	γ Aquilæ	II	41 23.07	+ 0.02	- 8.24	28 30 7.78	42.568	+ 31.7	55.3	19 41 . . .	.	.	.
10	α Aquilæ	II	45 46.65	+ 0.02	- 8.25	30 18 8.25	36.089	+ 34.0	54.4	19 45 . . .	.	.	.
November 25, S.													
11	α Bootis	II	10 58.90	+ 0.27	- 8.14	19 6 5.18	48.722	+ 21.1	57.2	14 10 . . .	.	.	.
12	ϵ Bootis	II	40 30.58	+ 0.31	- 8.20	11 20 11.62	44.971	+ 12.2	57.3	14 40 . . .	.	.	.
13	Mercury C, C. . . .	II	50 59.32	+ 0.17	- 8.18	52 40 10.82	48.929	+ 1 19.3	57.3	14 50 51.31	- 0.08	13 51 25.7	.
14	α Coronæ Borealis .	II	30 20.85	+ 0.31	- 8.18	11 46 6.80	48.112	+ 12.6	57.6	15 30 . . .	.	.	.
15	α Serpentis	II	39 12.15	+ 0.22	- 8.21	32 6 5.95	42.741	+ 37.8	57.3	15 39 . . .	.	.	.
November 26, S.													
16	Sun I, N.	II	8 56.40	+ 0.15	- 8.20	59 36 8.38	46.018	+ 1 42.6	57.3	16 8 48.35	+ 70.04	20 46 48.7	.
17	Sun II, S.	II	11 16.48	+ 0.15	- 8.20	60 8 3.58	47.505	+ 1 44.5	57.3	16 11 8.43	- 70.04	21 19 18.2	.
18	α Herculis	II	9 57.89	+ 0.25	- 8.17	24 20 11.68	45.275	+ 27.2	57.0	17 9 . . .	.	.	.
19	α Ophiuchi	II	30 10.03	+ 0.24	- 8.24	26 12 5.22	46.912	+ 29.5	57.2	17 30 . . .	.	.	.
20	α Lyrae	II	33 29.12	+ 0.38	- 8.24	0 10 10.60	44.939	+ 0.2	57.8	18 33 . . .	.	.	.
November 26, P.													
21	α Bootis	II	10 59.42	+ 0.24	- 8.61	19 6 . . .	.	.	.	14 10 . . .	.	.	.
22	ϵ Bootis	II	40 31.00	+ 0.26	- 8.55	11 20 9.08	45.090	+ 11.6	56.1	14 40 . . .	.	.	.
23	α Coronæ Borealis .	II	30 21.24	+ 0.26	- 8.51	11 46 7.45	48.098	+ 12.0	57.2	15 30 . . .	.	.	.
November 27, P.													
24	Sun I, S.	II	13 13.41	+ 0.24	- 8.55	60 20 11.88	44.345	+ 1 39.8	57.3	16 13 5.10	+ 69.86	21 30 17.3	.
25	Sun II, N.	II	15 33.12	+ 0.24	- 8.55	59 48 5.62	43.070	+ 1 37.6	57.3	16 15 24.81	- 69.85	20 57 48.3	.
26	α Lyrae	II	33 29.46	+ 0.31	- 8.52	0 10 6.12	45.142	+ 0.2	57.1	18 33 . . .	.	.	.
27	β Lyrae	II	46 18.87	+ 0.28	- 8.58	5 36 . . .	.	.	.	18 46 . . .	.	.	.
28	δ Draconis	II	12 36.69	+ 0.71	- 8.63	33 1 22 . . .	.	.	.	19 12 . . .	.	.	.
29	π Andromedæ	II	31 24.83	+ 0.26	- 8.64	5 44 1.92	40.182	+ 5.8	56.0	0 31 . . .	.	.	.
30	β Andromedæ	II	3 59.85	+ 0.26	- 8.71	3 48 1.58	42.508	+ 3.9	57.9	1 3 . . .	.	.	.
31	Mars I, N.	6	19 59.18	+ 0.20	- 8.69	30 22 3.50	44.955	+ 33.7	57.3	1 19 50.69	+ 0.65	8 29 2.3	.
32	Mars II, S.	5	20 0.42	+ 0.20	- 8.69	30 22 3.50	44.920	+ 33.7	57.3	1 19 51.93	- 0.59	8 28 43.9	.
33	α Ursæ Minoris . . .	6	20 40.01	+ 12.47	- 8.69	310 8 . . .	.	.	.	1 20 . . .	.	.	.
34	α Piscium	II	39 59.99	+ 0.20	- 8.68	30 12 1.92	47.585	+ 33.5	57.4	1 39 . . .	.	.	.
35	β Arietis	II	48 59.38	+ 0.22	- 8.71	18 32 3.30	48.555	+ 19.3	57.2	1 48 . . .	.	.	.
36	Fides	II	43 0.73	+ 0.23	- 8.79	14 24 4.30	48.955	+ 14.8	57.3	3 42 52.17	.	+ 24 25 44.5	.
37	ζ Persei	II	47 41.39	+ 0.25	- 8.82	7 16 1.38	47.242	+ 7.4	58.5	3 47 . . .	.	.	.
38	γ Eridani	II	53 17.60	+ 0.20	- 8.79	52 38 1.42	46.138	+ 1 14.9	58.0	3 53 . . .	.	.	.
39	γ Tauri	II	13 58.62	+ 0.21	- 8.80	23 28 0.95	45.922	+ 25.0	57.8	4 13 . . .	.	.	.
December 2, S.													
40	α Draconis	9	1 40.39	+ 0.94	- 9.91	334 0 9.50	42.632	- 29.1	[58.5]	14 1 . . .	.	.	.
41	α Bootis	II	11 0.44	+ 0.64	- 9.89	19 8 7.55	42.485	+ 20.8	57.7	14 10 . . .	.	.	.
42	ρ Bootis	II	27 26.29	+ 0.65	- 9.84	8 2 7.45	42.692	+ 8.5	58.5	14 27 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.	
d h m	in.	°	°				' "	' "	"	' "	
23 15 2	29.875	45.1	42.3	5, 16, 24, 35.	Bisections at I, II.	4	+	7.5	.	+	8.1
24 16 3	29.835	45.9	43.8	6, 17, 18, 25, 29, 34.	Bisections at VI, VII.	5	+	7.7	+16 15.5	.	+16 23.2
17 37	29.775	48.6	46.4	22, 32, 36, 37, 38, 39.	Bisections at II, VI.	6	+	7.7	-16 15.4	.	-16 7.7
19 22	29.755	49.3	47.0	31.	Bisections at I, VII.	13	+	7.1	.	+	7.6
19 55	29.755	48.2	46.2	40.	Bisections at III, V.	16	+	7.7	-16 14.7	.	-16 7.0
25 14 11	30.095	35.5	33.5			17	+	7.8	+16 14.7	.	+16 22.5
26 16 12	30.065	38.5	36.6			24	+	7.8	+16 14.5	.	+16 22.3
18 34	29.995	41.5	39.3			25	+	7.8	-16 14.5	.	-16 6.7
14 41	29.615	48.5	49.2			31	+	7.5	- 9.3	+	0.1
15 31	29.615	52.5	53.2			32	+	7.5	+	9.2	.
27 16 16	29.595	54.7	55.4								
18 34	29.565	55.5	56.8								
0 43	29.605	51.0	50.2								
3 43	29.615	51.0	54.2								
4 14	29.635	51.0	52.7								
2 14 2	30.025	38.4	38.3								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	" "	" "	h m s	s	° ' "	" "
1	ϵ Bootis	11	40 32.14	+ 0.64	- 9.94	11 20 8.42	45.296	+ 12.0	58.0	14 40 . .	. .		. .
2	β Bootis	11	58 7.15	+ 0.68	- 9.76	358 2 4.65	48.622	- 2.0	58.3	14 57 . .	. .		. .
3	Mercury C, C. . . .	11	22 34.79	+ 0.72	- 9.90	55 26 6.10	49.278	+ 1 26.7	58.4	15 22 25.61	- 0.04	- 16 37 33.8	. .
December 3, S.													
4	Sun I, S.	11	39 6.98	+ 0.75	- 9.96	61 16 3.40	48.425	+ 1 48.2	58.4	16 38 57.77	+ 70.61	- 22 27 34.3	. .
5	Sun II, N.	11	41 28.19	+ 0.75	- 9.96	60 44 4.22	46.488	+ 1 45.9	58.4	16 41 18.98	- 70.60	- 21 54 59.7	. .
6	δ Ursæ Minoris . . .	8	5 54.53	+ 5.13	[- 10.06]	312 16 6.95	43.850	- 1 4.9	[60.8]	18 5 . .	. .		. .
7	α Lyrae	11	33 30.55	+ 0.67	- 10.01	0 10 9.25	45.148	+ 0.2	58.7	18 33 . .	. .		. .
8	β Lyrae	11	46 19.85	+ 0.65	- 9.97	5 36 5.20	47.295	+ 5.9	58.9	18 46 . .	. .		. .
9	ζ Aquilæ	11	0 43.10	+ 0.64	- 10.13	25 8 0.75	46.484	+ 27.8	58.2	19 0 . .	. .		. .
10	δ Aquilæ	11	20 20.44	+ 0.65	- 10.15	35 56 6.22	45.885	+ 42.9	58.5	19 20 . .	. .		. .
December 4, P.													
11	79 Draconis	11	51 38.82	+ 1.29	[- 9.76]	325 40 . .	. .	. .	. .	21 51 . .	. .		. .
12	α Aquarii	11	0 32.43	+ 0.36	- 9.86	39 40 6.92	45.749	+ 48.7	56.2	22 0 . .	. .		. .
13	θ Aquarii	11	11 26.68	+ 0.36	- 9.86	47 8 2.12	47.002	+ 1 3.3	56.2	22 11 . .	. .		. .
14	η Aquarii	11	30 6.79	+ 0.36	- 9.86	39 30 8.42	44.630	+ 48.5	56.3	22 29 . .	. .		. .
15	Moon I, S.	11	35 40.88	+ 0.37	- 9.86	50 32 6.98	44.570	+ 1 11.4	56.2	22 35 31.39	+ 62.48	- 11 41 51.6	. .
16	ζ Cephei	11	46 4.04	+ 0.91	[- 9.93]	333 12 . .	. .	. .	. .	22 45 . .	. .		. .
17	λ Aquarii	5	47 17.50	+ 0.36	- 9.85	46 58 1.05	46.800	+ 1 3.0	56.1	22 47 . .	. .		. .
December 4, K.													
18	α Bootis	11	11 0.59	+ 0.41	- 9.76	19 8 0.22	42.921	+ 21.1	58.5	14 10 . .	. .		. .
19	ρ Bootis	11	27 26.45	+ 0.46	- 9.76	8 2 6.70	42.741	+ 8.6	58.2	14 27 . .	. .		. .
20	ϵ Bootis	11	40 32.19	+ 0.45	- 9.76	11 20 12.95	45.086	+ 12.2	58.1	14 40 . .	. .		. .
21	Mercury C, C. . . .	11	33 18.93	+ 0.35	- 9.73	56 20 13.40	45.378	+ 1 30.5	58.5	15 33 9.55	- 0.03	- 17 30 30.2	. .
December 5, K.													
22	Sun I, N.	7	47 49.34	+ 0.35	- 9.69	61 0 6.15	45.495	+ 1 48.1	58.5	16 47 40.00	+ 70.82	- 22 10 40.7	. .
23	Sun II, S.	6	50 10.97	+ 0.35	- 9.69	61 32 6.90	46.978	+ 1 50.5	58.5	16 50 1.63	- 70.81	- 22 43 16.3	. .
24	α Lyrae	11	33 30.31	+ 0.52	- 9.63	0 10 11.42	45.082	+ 0.2	59.1	18 33 . .	. .		. .
25	ζ Aquilæ	11	0 42.84	+ 0.39	- 9.62	25 8 9.05	46.089	+ 27.9	58.8	19 0 . .	. .		. .
26	δ Draconis	11	12 37.09	+ 1.04	[- 9.64]	331 22 7.28	48.375	- 32.2	[57.4]	19 12 . .	. .		. .
27	λ Aquarii	11	47 17.30	+ 0.36	- 9.66	46 57 59.25	47.135	+ 1 4.1	61.8	22 47 . .	. .		. .
28	α Pegasi	11	59 40.65	+ 0.40	- 9.60	24 12 5.18	46.079	+ 26.9	59.6	22 59 . .	. .		. .
29	Moon I, S.	11	20 5.49	+ 0.36	- 9.65	44 46 5.02	47.513	+ 59.4	60.6	23 19 56.20	+ 62.13	- 5 56 29.7	. .
30	ι Piscium	11	34 42.18	+ 0.37	- 9.64	33 46 4.85	48.669	+ 40.1	60.6	23 34 . .	. .		. .
31	ω Piscium	11	54 4.51	+ 0.38	- 9.70	32 34 4.95	44.030	+ 38.3	61.5	23 53 . .	. .		. .
32	α Andromedæ	11	3 6.64	+ 0.45	- 9.64	10 20 9.78	45.640	+ 11.0	59.6	0 2 . .	. .		. .
December 6, P.													
33	β Libræ	11	11 29.36	+ 0.48	- 9.93	47 50 3.08	44.708	+ 1 5.8	58.0	15 11 . .	. .		. .
34	μ^1 Bootis	11	20 39.36	+ 0.60	- 9.91	1 6 2.72	47.261	+ 1.2	59.5	15 20 . .	. .		. .
35	α Coronæ Borealis . .	11	30 22.58	+ 0.54	- 9.96	11 46 4.72	48.466	+ 12.5	59.0	15 30 . .	. .		. .
36	α Serpentis	11	39 13.79	+ 0.49	- 9.94	32 6 6.42	42.975	+ 37.3	59.4	15 39 . .	. .		. .
37	Mercury C, C. . . .	11	44 33.09	+ 0.50	- 9.94	57 12 4.42	47.420	+ 1 32.1	59.1	15 44 23.65	- 0.03	- 18 23 1.3	. .
December 7, P.													
38	Sun I, N.	11	56 34.10	+ 0.51	- 9.94	61 14 3.12	45.702	+ 1 46.9	59.1	16 56 24.67	+ 70.73	- 22 24 39.8	. .
39	Sun II, S.	11	58 55.55	+ 0.51	- 9.94	61 46 3.95	47.032	+ 1 49.3	59.1	16 58 46.12	- 70.72	- 22 57 12.6	. .
40	δ Ursæ Minoris . . .	6	5 51.99	+ 6.90	[- 9.94]	312 16 . .	. .	. .	. .	18 5 . .	. .		. .
41	α Lyrae	11	33 30.53	+ 0.61	- 9.94	0 10 5.62	45.438	+ 0.2	59.4	18 33 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d h m	in.	°	°					' "	' "	" "	' "	' "	' "
3 16 42	30.015	43.5	41.3	4, 22, 38.			3	+ 6.4	. .	+ 0.2	+ 6.6		
18 17	29.995	45.0	42.5	5, 13, 14, 17, 23, 27, 33, 39.			4	+ 7.9	+ 16 17.3	. .	+ 16 25.2		
19 25	29.975	45.9	43.3	6.			5	+ 7.8	- 16 17.2	. .	- 16 9.4		
4 22 1	29.775	43.0	43.3	15, 29.			15	+ 41 57.9	+ 14 53.0	. .	+ 56 50.9		
22 48	29.775	41.5	42.6	26, 32, 41.			21	+ 6.2	. .	+ 0.2	+ 6.4		
14 15	29.935	31.8	30.5	31.			22	+ 7.9	- 16 17.8	. .	- 16 9.9		
15 7	29.945	34.3	32.3				23	+ 7.9	+ 16 17.8	. .	+ 16 25.7		
5 16 51	29.925	36.9	35.1				29	+ 38 36.2	+ 15 0.6	. .	+ 53 36.8		
17 57	29.875	39.7	38.4				37	+ 6.1	. .	+ 0.1	+ 6.2		
19 7	29.855	41.8	40.2				38	+ 7.9	- 16 16.4	. .	- 16 8.5		
22 48	29.885	37.9	36.1				39	+ 7.9	+ 16 16.4	. .	+ 16 24.3		
0 15	29.875	36.3	34.6										
6 15 12	29.935	39.5	38.8										
15 55	29.935	43.0	41.1										
16 59	29.925	45.0	45.0										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
December 16, S.													
1	μ^1 Bootis	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	α Coronæ Borealis	11	20 40.75	+ 0.12	-10.59	1 6 9.05	46.912	+ 1.2	56.5	15 20 . . .	. . .		. . .
3	α Serpentis	11	30 23.82	+ 0.11	-10.56	11 46 9.95	48.163	+ 12.2	55.8	15 30 . . .	. . .		. . .
4	ε Serpentis	11	39 15.13	+ 0.10	-10.68	32 6 9.32	42.705	+ 36.5	56.4	15 39 . . .	. . .		. . .
5	α Scorpii	11	45 44.30	+ 0.09	-10.73	34 2 8.45	48.116	+ 39.4	56.7	15 45 . . .	. . .		. . .
6	Mercury C, C.	11	23 7.17	+ 0.10	-10.77	65 0 7.38	48.478	+ 2 4.5	56.9	16 22 . . .	. . .		. . .
		11	45 45.40	+ 0.10	-10.67	61 2 7.70	43.758	+ 1 44.9	56.6	16 45 34.83	- 0.01	- 22 12 9.6	. . .
December 17, S.													
7	Sun I, N.	11	40 41.76	+ 0.10	-10.68	61 56 3.62	46.930	+ 1 49.0	56.6	17 40 31.18	+ 71.23	- 23 7 8.4	. . .
8	Sun II, S.	11	43 4.22	+ 0.10	-10.68	62 28 5.68	48.082	+ 1 51.5	56.6	17 42 53.64	- 71.23	- 23 39 39.3	. . .
9	Venus C, C.	11	59 55.01	+ 0.10	-10.68	62 46 5.28	45.456	+ 1 52.9	56.6	17 59 44.43	0.00	- 23 56 47.8	. . .
10	δ Ursæ Minoris	4	5 56.31	+ 1.67	[-10.71]	312 16 . . .	. . .	. . .	. . .	18 5 . . .	. . .		. . .
11	α Lyrae	11	33 31.73	+ 0.12	-10.66	0 10 9.28	45.251	+ 0.2	56.7	18 33 . . .	. . .		. . .
12	ζ Aquilæ	11	0 44.26	+ 0.10	-10.74	25 8 1.20	46.502	+ 27.4	56.1	19 0 . . .	. . .		. . .
13	γ Aquilæ	11	41 25.33	+ 0.10	-10.68	28 30 10.32	42.704	+ 31.7	57.3	19 41 . . .	. . .		. . .
14	α Aquilæ	11	45 48.95	+ 0.10	-10.72	30 14 5.10	49.045	+ 34.1	56.8	19 45 . . .	. . .		. . .
15	β Aquilæ	11	50 18.65	+ 0.09	-10.67	32 42 7.62	44.828	+ 37.5	56.4	19 50 . . .	. . .		. . .
December 17, P.													
16	ε Serpentis	11	45 44.25	+ 0.47	-11.03	34 2 7.90	48.141	+ 41.0	58.1	15 45 . . .	. . .		. . .
17	δ Scorpii	11	54 16.48	+ 0.51	-11.04	61 7 59.80	47.904	+ 1 49.8	58.6	15 54 . . .	. . .		. . .
18	β^1 Scorpii	11	59 28.89	+ 0.50	-11.02	58 20 5.08	47.339	+ 1 38.1	58.0	15 59 . . .	. . .		. . .
19	δ Ophiuchi	11	8 59.76	+ 0.48	-11.00	42 16 3.52	44.788	+ 55.1	60.4	16 8 . . .	. . .		. . .
20	α Scorpii	11	23 7.05	+ 0.52	-11.05	65 0 4.38	48.550	+ 2 9.4	60.2	16 22 . . .	. . .		. . .
December 18, P.													
21	Sun I, S.	11	45 7.77	+ 0.51	-10.97	62 30 3.48	47.690	+ 1 55.4	60.7	17 44 57.31	+ 71.20	- 23 41 25.0	. . .
22	Sun II, N.	11	47 30.16	+ 0.51	-10.97	61 58 2.72	45.870	+ 1 52.8	60.7	17 47 19.70	- 71.19	- 23 8 51.1	. . .
23	Venus C, C.	7	5 25.70	+ 0.52	-10.96	62 48 2.52	45.385	+ 1 56.8	60.7	18 5 15.26	0.00	- 23 58 45.3	. . .
24	δ Ursæ Minoris	2	5 53.15	+ 4.98	[-10.95]	312 16 . . .	. . .	. . .	. . .	18 5 . . .	. . .		. .

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
CLAMP EAST.													
January 4, P.													
1	δ Piscium	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	ε Piscium	11	43 27.96	+ 0.79	-14.67	31 50 5.38	44.048	+ 38.3	55.0	0 43 . .	. .		. .
3	Moon I, S.	11	57 43.57	+ 0.79	-14.65	31 30 4.82	48.202	+ 37.8	54.7	0 57 . .	. .		. .
4	α Ursæ Minoris	3	16 39.25	+ 0.80	-14.66	28 50 3.48	48.063	+ 34.0	54.8	1 16 25.39	+64.51	+ 9 59 40.9	. .
January 22, K.													
5	α Lyrae	11	33 41.52	+ 0.66	-20.57	0 10 9.00	45.751	+ 0.2	55.0	18 33 . .	. .		. .
6	β Lyrae	11	46 30.89	+ 0.69	-20.70	5 36 9.00	47.679	+ 5.9	55.8	18 46 . .	. .		. .
7	δ Draconis	11	12 48.37	+ 0.46	-20.78	33 22 7.98	49.010	+ 32.1	55.4	19 12 . .	. .		. .
8	Venus I, N.	6	17 52.48	+ 1.00	-20.77	56 8 8.90	45.190	+ 27.4	55.4	21 17 32.71	+ 0.44	- 17 18 22.0	. .
9	Venus II, S.	5	17 53.34	+ 1.00	-20.77	56 8 8.90	45.810	+ 27.4	55.4	21 17 33.57	- 0.42	- 17 18 34.0	. .
10	β Cephei pr.	11	27 33.64	+ 0.43	-20.55	328 46 . .	. .	. .	. .	21 27 . .	. .		. .
11	ε Pegasi	11	39 20.75	+ 0.82	-20.79	29 26 9.32	48.340	+ 33.2	55.3	21 39 . .	. .		. .
January 26, L.													
12	ε Tauri	11	22 51.16	+ 0.94	-21.91	19 54 7.50	44.341	+ 21.6	54.7	4 22 . .	. .		. .
13	α Tauri	10	30 15.68	+ 0.95	-21.81	22 32 8.40	47.022	+ 24.8	53.9	4 29 . .	. .		. .
14	Neptune C, C.	11	48 14.75	+ 0.94	-21.80	17 56 9.00	46.498	+ 19.4	53.8	4 47 53.89	. .	+ 20 54 18.8	. .
15	Π Orionis	11	58 56.23	+ 0.95	-21.76	23 34 8.90	48.374	+ 26.1	53.5	4 58 . .	. .		. .
16	β Tauri	11	20 1.55	+ 0.92	-21.72	10 20 8.65	43.835	+ 11.0	53.4	5 19 . .	. .		. .
17	Jupiter I, S.	6	48 12.62	+ 0.93	-21.78	15 34 9.42	44.940	+ 16.7	53.8	5 47 51.77	+ 1.77	+ 23 16 49.3	. .
18	Jupiter II, N.	4	48 16.15	+ 0.93	-21.78	15 34 9.42	42.500	+ 16.7	53.8	5 47 55.30	- 1.76	+ 23 17 35.0	. .
19	γ Orionis	11	1 56.98	+ 0.95	-21.72	24 4 9.45	44.068	+ 26.8	53.8	6 1 . .	. .		. .
20	δ Ursæ Minoris S. P. .	6	6 12.99	+ 2.74	-21.76	305 30 . .	. .	. .	. .	18 5 . .	. .		. .
21	μ Geminorum	11	16 59.14	+ 0.93	-21.83	16 16 10.85	46.948	+ 17.6	53.8	6 16 . .	. .		. .
CLAMP WEST.													
February 26, L.													
22	γ Aquilæ	11	41 49.65	+ 0.27	-34.23	331 22 10.50	46.045	- 32.4	23.3	19 41 . .	. .		. .
23	α Aquilæ	11	46 13.20	+ 0.28	-34.23	329 36 9.95	46.201	- 34.7	21.7	19 45 . .	. .		. .
24	γ Cygni	11	19 0.50	+ 0.12	-34.34	0 56 10.12	43.458	+ 1.0	20.4	20 18 . .	. .		. .
25	α Cygni	7	38 23.83	+ 0.08	-34.30	5 55 53.62	41.280	+ 6.2	20.9	20 37 . .	. .		. .
26	ε Cephei	11	16 35.72	- 0.17	-34.27	23 8 . .	. .	. .	. .	21 16 . .	. .		. .
February 27, L.													
27	Sun I, N.	11	41 29.17	+ 0.34	-34.37	313 4 3.48	43.032	- 1 2.0	21.2	22 40 55.14	+65.56	- 7 58 20.6	. .
28	Sun II, S.	11	43 40.29	+ 0.34	-34.37	312 32 4.20	42.000	- 1 3.2	21.2	22 43 6.26	-65.56	- 8 30 42.6	. .
29	δ Piscium	10	40 24.85	+ 0.28	-34.47	329 40 4.62	42.000	- 33.7	21.3	1 39 . .	. .		. .
30	β Arietis	11	49 24.19	+ 0.23	-34.46	341 18 8.68	47.215	- 19.4	20.4	1 48 . .	. .		. .
31	50 Cassiopeæ	8	54 59.89	- 0.50	-34.47	32 56 . .	. .	. .	. .	1 54 . .	. .		. .
32	α Arietis	11	1 49.16	+ 0.22	-34.50	344 0 9.78	41.670	- 16.5	20.5	2 1 . .	. .		. .
February 28, L.													
33	Neptune C, C.	11	47 42.34	- 0.08	-34.64	341 56 7.35	44.370	- 18.2	24.5	4 47 7.62	. .	+ 20 54 48.3	. .
34	ι Aurigæ	11	50 44.99	- 0.14	-34.69	354 0 8.15	48.034	- 5.8	23.5	4 50 . .	. .		. .
35	Π Orionis	11	59 9.63	- 0.05	-34.59	336 16 7.60	47.156	- 24.6	24.8	4 58 . .	. .		. .
36	β Orionis	11	10 5.02	+ 0.03	-34.70	312 42 8.10	45.914	- 1 0.6	24.3	5 9 . .	. .		. .
37	Jupiter I, S.	6	44 50.17	- 0.09	-34.64	344 22 10.50	43.290	- 15.7	24.5	5 44 15.44	+ 1.56	+ 23 20 33.1	. .
38	Jupiter II, N.	5	44 53.30	- 0.09	-34.64	344 22 10.50	45.300	- 15.6	24.5	5 44 18.57	- 1.57	+ 23 21 11.9	. .
39	α Orionis	11	50 5.05	- 0.02	-34.67	328 24 9.00	46.747	- 34.4	25.3	5 49 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m		in.	°	°					' "	' "		' "	
4 0 44		30.015	25.5	24.5	I, 29, 39.			3	+26 58.8	+15 20.4		+42 19.2	
1 17		30.015	25.0	23.7	3.			8	+ 4.5	- 6.0	0.0	- 1.5	
22 18 30		29.455	36.0	33.3	7, 9, 38.			9	+ 4.5	+ 6.0	.	+ 10.5	
19 30		29.445	36.9	34.7	8, 37.			14	+ 0.1	.	.	+ 0.1	
21 10		29.395	38.8	37.3	13, 25.			17	+ 0.5	+ 22.9	.	+ 23.4	
22 0		29.395	40.1	37.7	17, 28.			18	+ 0.5	- 22.8	.	- 22.3	
26 5 1		29.485	31.0	30.5	18.			27	+ 6.5	-16 11.0	.	-16 4.5	
6 11		29.515	30.5	29.6	27.			28	+ 6.5	+16 11.0	.	+16 17.5	
19 54		29.980	37.5	41.2				33	+ 0.1	.	.	+ 0.1	
20 44		29.964	41.6	44.9				37	+ 0.5	+ 19.4	.	+ 19.9	
22 43		29.930	49.5	50.2				38	+ 0.5	- 19.4	.	- 18.9	
1 46		29.850	52.0	53.2									
2 20		29.830	53.2	54.2									
4 51		29.402	60.9	59.2									
5 53		29.396	58.2	58.1									
33 to 39. Two microscopes read.													

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRA- CTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	9 H. Draconis . . .	11	26 58.93	— 0.26	[—40.22]	37 16	.	.	.	10 26 . . .	.	.	.
2	χ Leonis	11	0 18.28	+ 0.16	—40.28	328 56	8.10	43.482	— 36.2	10 59 . . .	.	.	.
3	Hebe	11	5 7.06	+ 0.15	—40.28	338 54	8.20	45.618	— 23.2	11 4 26.93	.	+ 17 52 58.0	.
4	θ Leonis	11	9 26.22	+ 0.16	—40.28	337 2	8.30	42.831	— 25.5	11 8 . . .	.	.	.
March 28, S.													
5	θ Canis Majoris . .	11	50 1.31	+ 0.20	[—41.98]	309 8	.	.	.	6 49 . . .	.	.	.
6	51 H. Cephei	5	52 11.49	— 0.23	[—41.98]	48 12	.	.	.	6 51 . . .	.	.	.
7	l Leonis	11	44 28.18	+ 0.19	—41.91	332 8	7.65	42.790	— 31.4	10 43 . . .	.	.	.
8	Hebe	11	0 48.27	+ 0.19	—41.92	339 30	8.10	47.220	— 22.2	11 0 6.54	.	+ 18 29 29.6	.
9	θ Leonis	11	9 27.85	+ 0.19	—41.94	337 2	8.00	42.858	— 25.2	11 8 . . .	.	.	.
March 29, S.													
10	θ Canis Majoris . .	11	50 1.53	+ 0.18	[—42.20]	309 8	.	.	.	6 49 . . .	.	.	.
11	51 H. Cephei	4	52 9.50	+ 1.57	[—42.20]	48 12	.	.	.	6 51 . . .	.	.	.
12	l Leonis	11	44 28.37	+ 0.18	—42.09	332 8	9.45	42.706	— 30.8	10 43 . . .	.	.	.
13	Hebe	8	0 8.62	+ 0.18	—42.10	339 36	8.80	45.078	— 21.6	10 59 26.70	.	+ 18 34 48.1	.
14	θ Leonis	11	9 28.02	+ 0.18	—42.10	337 2	8.75	42.848	— 24.6	11 8 . . .	.	.	.
April 2, P.													
15	α Pegasi	11	0 15.33	+ 0.07	—43.98	335 40	9.62	43.590	— 26.4	22 59 . . .	.	.	.
16	Mercury C, C. . .	11	20 15.13	+ 0.04	—43.98	314 8	3.68	45.160	— 10.0	23 19 31.19	— 0.06	— 6 53 50.2	.
17	α Andromedæ . . .	11	3 40.67	+ 0.09	—44.00	349 32	6.02	43.828	— 10.7	0 2 . . .	.	.	.
April 3, P.													
18	Sun I, N.	11	50 3.19	+ 0.06	—44.05	326 42	7.32	44.290	— 38.0	0 49 19.20	+ 64.49	+ 5 40 19.6	.
19	Sun II, S.	11	52 12.18	+ 0.06	—44.05	326 10	4.78	44.500	— 38.8	0 51 28.19	— 64.50	+ 5 8 18.4	.
20	α Ursæ Minoris . .	8	19 53.72	+ 2.63	[—44.05]	49 44	.	.	.	1 19 . . .	.	.	.
21	α Arietis	11	1 58.66	+ 0.08	—44.08	344 0	7.52	42.264	— 16.6	2 1 . . .	.	.	.
22	η Tauri	3	41 58.50	+ 0.08	—44.20	344 48	.	.	.	3 41 . . .	.	.	.
April 4, P.													
23	Mercury C, C. . .	11	30 45.75	+ 0.13	—45.22	315 8	6.08	46.815	— 57.0	23 30 0.66	— 0.05	— 5 53 14.6	.
24	α Andromedæ . . .	11	3 41.73	+ 0.23	—45.18	349 32	5.90	43.839	— 10.5	0 2 . . .	.	.	.
April 5, P.													
25	Sun I, S.	11	57 21.63	+ 0.16	—45.11	326 56	6.35	43.272	— 37.1	0 56 36.68	+ 64.59	+ 5 53 58.5	.
26	Sun II, N.	11	59 30.81	+ 0.16	—45.11	327 28	6.38	43.295	— 36.4	0 58 45.86	— 64.59	+ 6 25 57.8	.
27	α Ursæ Minoris . .	5	19 47.90	+ 9.23	[—45.09]	49 44	.	.	.	1 19 . . .	.	.	.
28	α Arietis	11	1 59.42	+ 0.21	—44.08	344 0	8.08	42.308	— 16.3	2 1 . . .	.	.	.
29	Venus C, C. . . .	11	52 35.96	+ 0.19	—44.96	337 56	3.92	43.935	— 23.0	2 51 51.19	+ 0.05	+ 16 54 21.8	.
30	η Tauri	11	41 59.15	+ 0.21	—45.00	344 48	7.02	45.314	— 15.4	3 41 . . .	.	.	.
31	γ Eridani	11	53 52.51	+ 0.11	—44.83	307 14	.	.	.	3 53 . . .	.	.	.
April 9, K.													
32	Mercury C, C. . .	11	58 28.81	+ 0.38	—46.52	318 2	6.85	43.079	— 51.5	23 57 42.67	— 0.04	— 3 00 19.4	.
33	α Andromedæ . . .	11	3 42.92	+ 0.41	—46.47	349 32	6.40	43.749	— 10.5	0 2 . . .	.	.	.
34	β Andromedæ . . .	9	4 36.32	+ 0.43	—46.56	356 3	57.95	47.942	— 3.9	1 3 . . .	.	.	.
April 10, K.													
35	Sun I, S.	11	15 39.87	+ 0.39	—46.51	328 48	1.35	44.280	— 34.5	1 14 53.75	+ 64.94	+ 7 46 16.0	.
36	Sun II, N.	11	17 49.76	+ 0.39	—46.51	329 20	9.05	43.960	— 33.8	1 17 3.64	— 64.95	+ 8 18 16.4	.
37	α Ursæ Minoris . .	6	19 51.45	+ 7.11	[—46.53]	49 44	.	.	.	1 19 . . .	.	.	.
38	α Arietis	11	2 0.78	+ 0.40	—46.52	344 0	5.20	42.400	— 16.3	2 1 . . .	.	.	.
39	α Ceti	7	57 33.34	+ 0.38	—46.52	324 42	4.70	45.890	— 40.3	2 56 . . .	.	.	.
40	Venus I, S. . . .	6	16 45.07	+ 0.40	—46.51	339 50	5.10	45.608	— 20.9	3 15 58.96	+ 0.53	+ 18 48 57.8	.
41	Venus II, N. . . .	5	16 45.98	+ 0.40	—46.51	339 50	5.10	46.275	— 20.9	3 15 59.87	— 0.38	+ 18 49 10.5	.
42	ζ Persei	10	48 17.72	+ 0.42	—46.55	352 36	6.15	43.346	— 7.4	3 47 . . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°						/ //	/ //	//	/ //
22	10 32	30.137	36.8	36.5	7, 13, 19, 26, 34, 36.				3	+	1.7	.	+ 1.7
23	11 11	30.144	36.6	36.4	14.				8	+	1.6	.	+ 1.6
28	10 11	29.795	39.3	38.2	18, 25, 35, 39.				13	+	1.6	.	+ 1.6
29	11 11	29.803	37.4	35.4	40.				16	+	6.1	— 0.5	+ 5.6
31	10 13	29.589	44.4	43.3	41.				18	+	4.8	— 16 0.6	— 15 55.8
2	23 0	29.456	43.8	42.3					19	+	4.9	+ 16 0.5	+ 16 5.4
3	0 3	29.472	45.5	41.9					23	+	5.7	.	+ 5.3
4	0 52	29.456	46.9	43.8					25	+	4.8	+ 15 59.6	+ 16 4.4
23	0 3	29.480	47.5	43.8					26	+	4.7	— 15 59.6	— 15 54.9
4	23 30	29.982	56.4	57.5					29	+	2.4	.	+ 2.6
5	0 59	29.964	60.5	59.2					32	+	5.2	.	+ 4.9
2	1	29.960	62.0	60.5					35	+	4.5	+ 16 0.2	+ 16 4.7
2	52	29.942	62.5	61.2					36	+	4.5	— 16 0.2	— 15 55.7
3	41	29.940	63.5	62.3					40	+	2.2	+ 6.4	+ 8.6
9	23 35	29.744	56.9	53.0	I to 14. Two microscopes read; Berlin Jahrbuch star places used in reduction.				41	+	2.2	— 6.4	— 4.1
10	1 17	29.758	58.0	55.2	32 to 42. Two microscopes read.								
2	2	29.772	58.6	56.2									
2	57	29.782	59.6	57.0									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRA- CTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	γ Tauri	10	m s 14 35.12	+ 0.39	-46.46	336 24 4.80	44.535	- 24.8	33.5	4 13 . .	s		. .
2	θ Virginis	11	5 19.03	+ 0.32	-46.38	316 4 12.70	41.236	- 56.7	38.2	13 4 . .	. .		. .
3	α Ursæ Minoris S. P.	7	20 8.50	- 9.95	[-46.42]	52 14 . .	. .	. .	. .	1 19 . .	. .		. .
4	α Virginis	11	20 28.03	+ 0.31	-46.51	310 26 12.85	41.680	- 1 9.2	40.1	13 19 . .	. .		. .
5	ζ Virginis	11	30 8.75	+ 0.32	-46.29	320 58 11.45	44.519	- 47.9	39.3	13 29 . .	. .		. .
6	Moon II, S.	11	40 55.34	+ 0.31	-46.45	300 8 11.45	41.660	- 1 42.1	39.6	14 40 9.20	-70.57	- 20 55 38.4	. .
7	α^2 Libræ	11	45 52.52	+ 0.31	-46.53	305 26 14.60	43.915	- 1 23.4	41.9	14 45 . .	. .		. .
8	β Libræ	11	12 9.74	+ 0.32	-46.58	312 2 3.10	45.245	- 1 6.0	38.3	15 11 . .	. .		. .
April 10, K.													
9	θ Virginis	11	5 19.03	+ 0.32	-46.40	316 4 12.70	41.236	- 56.7	38.3	13 4 . .	. .		. .
10	α Ursæ Minoris S. P.	7	20 8.50	- 9.70	[-46.42]	52 14 . .	. .	. .	. .	1 19 . .	. .		. .
11	α Virginis	11	20 28.03	+ 0.32	-46.56	310 26 12.85	41.680	- 1 9.2	40.3	13 19 . .	. .		. .
12	ζ Virginis	11	30 8.75	+ 0.33	-46.32	320 58 11.45	44.519	- 47.9	39.6	13 29 . .	. .		. .
13	Saturn I, N.	5	15 1.84	+ 0.32	-46.49	310 26 10.15	43.745	- 1 9.6	39.8	14 14 15.67	+ 0.61	- 10 36 27.3	. .
14	Saturn II, S.	5	15 3.06	+ 0.32	-46.49	310 26 10.15	42.852	- 1 9.6	39.8	14 14 16.89	- 0.61	- 10 36 44.5	. .
15	α^2 Libræ	11	45 52.52	+ 0.32	-46.56	305 26 14.60	43.915	- 1 23.4	42.3	14 45 . .	. .		. .
16	Uranus C, C.	11	7 25.75	+ 0.31	-46.49	303 54 13.20	43.584	- 1 28.4	39.8	15 6 39.57	. .	- 17 8 46.1	. .
17	β Libræ	11	12 9.74	+ 0.32	-46.61	312 2 3.10	45.245	- 1 6.0	38.4	15 11 . .	. .		. .
April 10, P.													
18	α Pegasi	11	0 17.84	+ 0.30	-46.56	335 40 6.45	43.898	- 27.2	35.2	22 59 . .	. .		. .
19	Mercury C, C.	11	4 16.02	+ 0.26	-46.60	318 40 6.10	43.399	- 52.7	34.4	0 3 29.68	- 0.04	- 2 22 15.8	. .
20	γ Pegasi	7	8 35.56	+ 0.30	-46.55	335 38 . .	. .	. .	. .	0 7 . .	. .		. .
21	β Andromedæ	10	4 36.52	+ 0.38	-46.70	356 4 1.80	47.682	- 4.0	33.9	1 3 . .	. .		. .
22	α Ursæ Minoris	8	19 48.08	+ 10.76	[-46.61]	49 44 . .	. .	. .	. .	1 19 . .	. .		. .
April 11, P.													
23	Sun I, N.	11	19 20.38	+ 0.28	-46.60	329 42 3.50	44.272	- 34.7	34.4	1 18 34.06	+ 64.82	+ 8 40 17.2	. .
24	Sun II, S.	11	21 30.02	+ 0.28	-46.59	329 10 9.40	44.058	- 35.4	34.4	1 20 43.71	- 64.83	+ 8 8 16.4	. .
25	α Ceti	5	57 33.52	+ 0.27	-46.60	324 42 4.90	45.984	- 41.8	34.2	2 56 . .	. .		. .
26	η Tauri	7	42 0.49	+ 0.33	-46.50	344 48 . .	. .	. .	. .	3 41 . .	. .		. .
27	ζ Persei	11	48 17.78	+ 0.36	-46.56	352 36 . .	. .	. .	. .	3 47 . .	. .		. .
April 16, K.													
28	ζ Pegasi	11	37 1.85	+ 0.23	-48.50	331 18 7.42	45.948	- 31.9	36.7	22 36 . .	. .		. .
29	α Pegasi	11	0 19.98	+ 0.24	-48.51	335 40 2.75	44.085	- 26.4	35.7	22 59 . .	. .		. .
30	α Ursæ Minoris	6	19 52.12	+ 9.91	[-48.61]	49 44 . .	. .	. .	. .	1 19 . .	. .		. .
April 17, K.													
31	Sun I, S.	11	41 30.58	+ 0.23	-48.63	331 18 3.18	48.198	- 31.6	35.9	1 40 42.18	+ 65.17	+ 10 17 33.7	. .
32	Sun II, N.	11	43 40.92	+ 0.23	-48.63	331 50 10.82	47.880	- 30.9	35.9	1 42 52.52	- 65.17	+ 10 49 34.1	. .
33	α Persei	7	17 36.92	+ 0.40	-48.71	10 30 9.45	45.340	+ 10.8	[35.7]	3 16 . .	. .		. .
34	δ Persei	10	36 14.52	+ 0.38	-48.73	8 28 3.88	45.264	+ 8.6	[34.8]	3 35 . .	. .		. .
35	Venus I, S.	5	51 16.26	+ 0.26	-48.73	342 10 9.10	45.962	- 18.4	35.9	3 50 27.79	+ 0.50	+ 21 9 9.3	. .
36	Venus II, N.	5	51 17.10	+ 0.26	-48.73	342 10 9.10	46.660	- 18.4	35.9	3 50 28.63	- 0.34	+ 21 9 21.2	. .
37	α Tauri	9	30 42.22	+ 0.24	-48.74	337 20 8.88	42.640	- 23.9	35.2	4 29 . .	. .		. .
April 17, L.													
38	α Andromedæ	11	3 45.87	+ 0.15	-49.02	349 32 8.02	43.764	- 10.5	34.9	0 2 . .	. .		. .
39	γ Pegasi	10	8 38.35	+ 0.11	-49.03	335 38 6.48	42.706	- 25.9	35.2	0 7 . .	. .		. .
40	Mercury C, C.	11	47 13.47	+ 0.09	-49.11	323 34 6.48	47.514	- 42.1	34.8	0 46 24.45	- 0.02	+ 2 33 13.7	. .
41	β Andromedæ	6	4 39.35	+ 0.17	-49.22	356 4 6.82	47.399	- 3.9	34.3	1 3 . .	. .		. .
42	α Ursæ Minoris	7	19 56.67	+ 5.99	[-49.14]	49 44 . .	. .	. .	. .	1 19 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
10 4 13	29.826	60.2	57.7	1, 37.	Bisections at II, VI, VII.	6	+50 24.9	+15 57.9	. .	+66 22.8
13 4	30.080	47.0	45.1	6.	Bisections at III, IV, V.	13	+ 0.8	- 8.6	. .	- 7.8
14 15	30.115	44.0	41.9	13.	Bisections at I, VII.	14	+ 0.8	+ 8.6	. .	+ 9.4
15 11	30.124	42.8	40.4	14, 21.	Bisections at II, VI.	16	+ 0.4	. .	. .	+ 0.4
22 59	30.378	45.0	39.7	23, 31.	Bisections at I, II.	19	+ 5.1	. .	- 0.3	+ 4.8
0 3	30.382	47.0	41.6	24, 32, 33.	Bisections at VI, VII.	23	+ 4.4	-16 0.3	. .	-15 55.9
1 3	30.380	48.0	44.5	35.	Bisections at I, II, VI.	24	+ 4.5	+16 0.4	. .	+16 4.9
11 1 20	30.375	48.8	45.3	36.	Bisection at VII.	31	+ 4.2	+16 0.1	. .	+16 4.3
2 56	30.366	51.0	47.9			32	+ 4.1	-16 0.2	. .	-15 56.1
16 22 36	29.832	47.3	45.1			35	+ 2.0	+ 6.0	. .	+ 8.0
23 35	29.834	51.0	46.8			36	+ 2.0	- 6.0	+ 0.1	- 3.9
3 16	29.806	54.2	50.1			40	+ 4.2	. .	- 0.2	+ 4.0
4 29	29.784	54.6	52.1							
23 56	29.794	55.1	53.6	1 to 27.	Two microscopes read.					
0 7	29.800	55.6	54.6	2 to 8.	Reduced with star places of the American Ephemeris.					
0 47	29.800	55.8	55.8	9 to 17.	Reduced with places of "303" stars.					
1 3	29.804	59.0	56.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ-INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	April 18, L.		m s	s	s	o / //	rev.	/ //	//	h m s	s	o / //	//
1	Sun I, N.	11	45 13.65	+ 0.10	-49.17	332 12 6.25	44.792	- 29.9	34.8	1 44 24.58	+65.36	+ 11 10 34.2	. .
2	Sun II, S.	11	47 24.38	+ 0.10	-49.17	331 40 6.85	44.675	- 30.6	34.8	1 46 35.31	-65.37	+ 10 38 30.1	. .
3	δ Persei	5	36 15.32	+ 0.22	-49.38	8 28 3.30	45.245	+ 8.6	[34.5]	3 35 . .	. .	. .	. .
4	ζ Persei	11	48 20.71	+ 0.16	-49.32	352 36 3.05	43.495	- 7.3	34.9	3 47 . .	. .	. .	. .
5	α Tauri	11	30 42.82	+ 0.12	-49.23	337 20 2.68	42.912	- 23.7	34.6	4 29 . .	. .	. .	. .
6	ε Pegasi	11	39 51.39	+ 0.45	-49.71	330 25 58.92	42.000	- 32.8	36.9	21 39 . .	. .	. .	. .
7	Moon II, N.	11	2 51.28	+ 0.49	-49.80	306 8 4.02	46.090	- 1 18.6	36.9	22 2 1.97	-63.06	- 14 53 54.7	. .
8	η Aquarii	11	12 7.48	+ 0.47	-49.87	312 44 4.42	43.641	- 1 2.1	36.7	22 11 . .	. .	. .	. .
9	ζ Aquarii	11	30 47.38	+ 0.46	-49.88	320 22 6.70	45.328	- 47.4	37.1	22 29 . .	. .	. .	. .
10	η Pegasi	6	37 2.92	+ 0.45	-49.75	331 18 . .	. .	. .	. .	22 36 . .	. .	. .	. .
11	ι Cephei	11	46 43.24	+ 0.55	[-49.83]	26 40 . .	. .	. .	. .	22 45 . .	. .	. .	. .
	April 18, P.												
12	α Andromedæ	11	3 46.46	+ 0.22	-49.66	349 32 3.72	43.899	- 10.4	33.3	0 2 . .	. .	. .	. .
13	γ Pegasi	11	8 38.88	+ 0.20	-49.64	335 38 2.15	42.891	- 25.7	34.5	0 7 . .	. .	. .	. .
14	Mercury C, C.	11	53 44.31	+ 0.19	-49.69	324 20 5.05	47.501	- 40.6	34.6	0 52 54.81	- 0.02	+ 3 19 13.7	. .
15	β Andromedæ	10	4 39.78	+ 0.24	-49.71	356 4 3.00	47.593	- 3.8	34.2	1 3 . .	. .	. .	. .
16	α Ursæ Minoris	11	19 57.92	+ 5.40	[-49.70]	49 44 . .	. .	. .	. .	1 19 . .	. .	. .	. .
	April 19, P.												
17	Sun I, N.	11	48 57.55	+ 0.20	-49.74	332 32 1.78	47.225	- 29.3	34.6	1 48 8.01	+65.24	+ 11 31 17.2	. .
18	Sun II, S.	11	51 8.03	+ 0.20	-49.74	332 0 5.32	47.498	- 30.0	34.6	1 50 18.49	-65.24	+ 10 59 23.5	. .
19	α Ceti	11	57 36.81	+ 0.19	-49.81	324 42 4.82	45.948	- 39.8	34.9	2 56 . .	. .	. .	. .
20	η Tauri	11	42 3.85	+ 0.22	-49.79	344 48 4.25	45.386	- 15.2	35.1	3 41 . .	. .	. .	. .
21	ζ Persei	11	48 21.18	+ 0.23	-49.86	352 36 3.12	43.506	- 7.3	35.3	3 47 . .	. .	. .	. .
22	Venus I, S.	10	1 17.40	+ 0.21	-49.85	342 46 5.45	43.750	- 17.4	34.6	4 0 27.76	+ 0.44	+ 21 44 25.0	. .
23	Venus II, N.	9	1 18.13	+ 0.21	-49.85	342 46 5.45	44.375	- 17.4	34.6	4 0 28.49	- 0.29	+ 21 44 37.2	. .
24	α Ursæ Minoris s. p.	3	20 16.57	-12.53	[-50.08]	52 14 . .	. .	. .	. .	1 19 . .	. .	. .	. .
25	Saturn I, S.	10	12 32.41	+ 0.25	-50.10	310 40 5.00	41.660	- 1 6.1	35.4	14 11 42.56	+ 0.64	- 10 23 4.5	. .
26	Saturn II, N.	9	12 33.70	+ 0.25	-50.10	310 40 5.00	42.512	- 1 6.1	35.4	14 11 43.85	- 0.65	- 10 22 48.3	. .
27	α Libræ	11	45 56.30	+ 0.25	-50.11	305 26 3.05	43.963	- 1 19.8	35.7	14 45 . .	. .	. .	. .
28	Uranus C, C.	11	6 8.75	+ 0.25	-50.10	304 0 4.25	41.971	- 1 24.3	35.4	15 5 18.90	. .	- 17 3 17.5	. .
29	β Libræ	10	12 13.50	+ 0.25	-50.10	312 2 4.95	44.819	- 1 3.1	35.0	15 11 . .	. .	. .	. .
	April 19, L.												
30	π Aquarii	11	20 44.95	+ 0.26	-49.99	321 52 6.75	45.804	- 44.5	37.9	22 19 . .	. .	. .	. .
31	η Aquarii	11	30 47.75	+ 0.26	-50.02	320 22 5.18	45.471	- 46.9	38.3	22 29 . .	. .	. .	. .
32	ζ Pegasi	11	37 3.34	+ 0.27	-49.96	331 18 5.42	46.054	- 31.0	37.4	22 36 . .	. .	. .	. .
33	Moon II	11	47 40.46	+ 0.25	-50.03	311 20 . .	. .	. .	. .	22 46 50.68	-61.97	. .	. .
34	α Piscis Australis	11	52 41.28	+ 0.25	-50.08	290 52 5.02	47.371	- 2 26.9	38.0	22 51 . .	. .	. .	. .
35	α Pegasi	11	0 21.55	+ 0.28	-50.05	335 40 6.75	43.594	- 25.5	[31.0]	22 59 . .	. .	. .	. .
36	θ Piscium	7	23 28.34	+ 0.26	-50.09	326 50 5.68	43.894	- 36.8	38.3	23 22 . .	. .	. .	. .
37	α Andromedæ	3	46.88	+ 0.33	-50.17	349 32 8.38	43.839	- 10.3	36.9	0 2 . .	. .	. .	. .
38	γ Pegasi	11	8 39.31	+ 0.28	-50.13	335 38 7.52	42.748	- 25.4	37.5	0 7 . .	. .	. .	. .
39	Mercury C, C.	11	0 21.21	+ 0.26	-50.15	325 8 6.82	43.766	- 38.9	37.7	0 59 31.32	- 0.02	+ 4 6 2.4	. .
40	β Andromedæ	11	4 40.22	+ 0.36	-50.25	356 4 6.92	47.478	- 3.8	36.3	1 3 . .	. .	. .	. .
41	α Ursæ Minoris	11	19 49.15	+ 14.77	[-50.17]	49 44 . .	. .	. .	. .	1 19 . .	. .	. .	. .
	April 20, L.												
42	Sun I, S.	11	52 41.28	+ 0.28	-50.14	332 22 5.00	43.222	- 29.1	37.7	1 51 51.42	+65.37	+ 11 20 0.8	. .
43	Sun II, N.	8	54 52.02	+ 0.28	-50.14	332 54 4.25	43.000	- 28.5	37.7	1 54 2.16	-65.37	+ 11 51 54.3	. .
44	α Ceti	11	57 37.09	+ 0.26	-50.16	324 42 4.15	46.112	- 39.3	37.5	2 56 . .	. .	. .	. .
45	η Tauri	9	42 4.07	+ 0.31	-50.10	344 48 6.38	45.420	- 15.0	38.2	3 41 . .	. .	. .	. .
46	ζ Persei	5	48 21.44	+ 0.22	-50.11	352 36 7.25	43.428	- 7.2	38.1	3 47 . .	. .	. .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
18 1 47	29.790	60.0	58.3	1, 3, 9, 17, 42.	Bisections at I, II.	1	+ 4.1	-16 2.0	. .	-15 57.9
3 40	29.788	59.0	57.6	2, 18, 44.	Bisections at VI, VII.	2	+ 4.2	+16 2.0	. .	+16 6.2
3 52	29.790	59.8	58.2	7.	Bisections at C ₁ , C ₃ , C ₅ .	7	+43 35.2	-14 48.0	. .	+28 47.2
4 30	29.788	59.8	58.1	15.	Bisections at V, VI, VII.	14	+ 4.1	. .	- 0.2	+ 3.9
21 39	29.800	47.3	49.2	22, 25.	Bisections at I, VII.	17	+ 4.0	-15 56.8	. .	-15 52.8
22 2	29.812	50.5	52.2	23, 26.	Bisections at II, VI.	18	+ 4.1	+15 56.8	. .	+16 0.9
22 36	29.822	52.8	55.0	27.	Bisections at II, VI, VII.	22	+ 2.0	+ 6.1	. .	+ 8.1
0 7	29.842	61.0	60.1	43.	Bisection at VII.	23	+ 2.0	- 6.2	+ 0.1	- 4.1
0 53	29.840	61.5	61.0			25	+ 0.8	+ 8.1	. .	+ 8.9
1 51	29.828	62.5	61.5			26	+ 0.8	- 8.1	. .	- 7.3
2 46	29.818	64.0	63.0			28	+ 0.4	. .	. .	+ 0.4
3 41	29.810	65.5	63.9			39	+ 4.0	. .	- 0.2	+ 3.8
4 1	29.806	66.0	63.5			42	+ 4.0	+15 56.7	. .	+16 0.7
14 11	29.778	58.0	57.6			43	+ 3.9	-15 56.7	. .	-15 52.8
15 6	29.782	57.0	56.7							
22 20	29.846	55.5	60.2							
22 36	29.860	60.0	61.2							
22 47	29.860	60.5	61.4							
22 59	29.862	62.0	62.4							
23 22	29.872	63.1	64.1							
0 3	29.876	65.5	66.4							
0 8	29.876	66.3	66.9							
1 0	29.876	68.0	68.2							
1 3	29.874	68.8	68.8							
1 54	29.855	69.7	70.1							
2 57	29.852	71.2	70.9							
3 41	29.850	72.5	71.2							

24 to 29. Reduced with places of "303" stars.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
May 4, L.													
1	l Leonis	6	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	α Ursæ Majoris	11	44 43.24	+ 0.15	-57.20	332 7 59.50	43.272	- 29.7	36.2	10 43	.	.	.
3	δ Leonis	11	58 15.45	+ 0.52	[-57.20]	23 20	.	.	.	10 57	.	.	.
4	o Cephei s. p.	11	9 30.67	+ 0.17	-57.19	342 8 2.30	42.324	- 18.1	37.1	11 8	.	.	.
5	τ Leonis	11	15 14.53	- 0.96	[-57.05]	73 26	.	.	.	23 14	.	.	.
6	Moon I, N.	11	23 31.16	+ 0.14	-57.09	324 28 2.10	43.529	- 40.1	36.2	11 22	.	.	.
7	β Leonis	11	33 39.74	+ 0.15	-57.15	323 17 54.20	47.083	- 41.9	36.7	11 32 42.74	+67.33	+ 2 16 51.4	.
8	o Virginis	11	44 41.45	+ 0.15	-57.15	336 10 2.50	47.478	- 24.8	36.9	11 43	.	.	.
9	α Ursæ Minoris s. p.	10	0 50.78	+ 0.14	-57.11	330 20 3.50	45.892	- 32.1	37.0	11 59	.	.	.
10	ζ Virginis	11	20 30.85	-14.39	[-57.11]	52 14	.	.	.	1 19	.	.	.
11	η Bootis	11	30 19.86	+ 0.14	-57.10	320 57 56.15	45.026	- 45.8	35.1	13 29	.	.	.
12	ρ Bootis	11	50 40.65	+ 0.16	-57.12	339 55 58.95	46.794	- 20.6	36.0	13 49	.	.	.
13	α² Libræ	11	28 18.17	+ 0.20	-57.30	351 50 0.25	47.581	- 8.1	35.2	14 27	.	.	.
14	β Libræ	11	46 3.71	+ 0.14	-57.23	305 26 3.65	43.925	- 1 19.6	35.7	14 45	.	.	.
			12 20.91	+ 0.14	-57.19	312 2 2.20	44.969	- 1 2.9	35.3	15 11	.	.	.
May 4, L.													
15	α Ursæ Minoris s. p.	10	20 30.85	-14.03	[-57.19]	52 14	.	.	.	1 19	.	.	.
16	ζ Virginis	11	30 19.86	+ 0.14	-57.13	320 57 56.15	45.026	- 45.8	35.4	13 29	.	.	.
17	Thetis	11	9 30.11	+ 0.14	-57.20	318 44 0.20	41.362	- 49.6	35.6	14 8 33.05	.	- 2 15 44.2	.
18	α² Libræ	11	46 3.71	+ 0.15	-57.26	305 26 3.65	43.925	- 1 19.6	36.0	14 45	.	.	.
19	Uranus C, C.	11	3 48.52	+ 0.15	-57.20	304 8 1.40	48.570	- 1 23.5	35.6	15 2 51.47	.	- 16 53 13.2	.
20	β Libræ	11	12 20.91	+ 0.14	-57.22	312 2 2.20	44.969	- 1 2.9	35.4	15 11	.	.	.
May 8, P.													
21	β Andromedæ	11	4 49.29	- 0.05	-58.53	356 4 1.60	47.611	- 3.7	34.7	1 3	.	.	.
22	α Ursæ Minoris	9	20 20.18	+ 0.35	[-58.55]	49 44	.	.	.	1 19	.	.	.
23	β Arietis	11	49 48.72	- 0.04	-58.55	341 18 2.35	48.096	- 18.5	34.8	1 48	.	.	.
24	α Arietis	11	2 13.55	- 0.04	-58.54	344 0 6.00	42.382	- 15.7	35.1	2 1	.	.	.
May 9, P.													
25	Sun I, N.	11	5 9.46	- 0.04	-58.56	338 42 4.25	46.252	- 21.2	34.5	3 4 10.86	+66.67	+ 17 41 9.1	.
26	Sun II, S.	5	7 22.80	- 0.04	-58.56	338 10 6.10	47.230	- 21.8	34.5	3 6 24.20	-66.67	+ 17 9 27.6	.
27	Mercury C, C.	11	28 30.02	- 0.04	-58.56	340 38 3.70	43.880	- 19.1	34.5	3 27 31.42	0.00	+ 19 36 24.3	.
28	ι Aurigæ	11	51 7.93	- 0.05	-58.62	354 0 4.05	48.590	- 5.6	34.0	4 50	.	.	.
29	β Orionis	8	10 28.04	- 0.02	-58.57	312 42	.	.	.	5 9	.	.	.
30	β Tauri	10	20 37.97	- 0.05	-58.55	349 32 5.35	46.015	- 9.9	34.1	5 19	.	.	.
31	Venus I, C.	10	43 50.73	- 0.05	-58.59	346 20 4.50	46.570	- 13.1	34.5	5 42 52.09	+ 0.49	+ 25 19 22.6	.
32	Venus II	9	43 51.48	- 0.05	-58.59		.	.	.	5 42 52.84	- 0.26		.
May 9, S.													
33	43 H. Cephei s. p.	7	55 7.78	- 3.49	[-58.20]	55 18	.	.	.	0 54	.	.	.
34	α² Libræ	11	46 5.06	- 0.19	-58.22	305 26 10.50	43.242	- 1 17.8	32.1	14 45	.	.	.
35	γ Scorpis	8	58 56.42	- 0.21	-58.17	296 10 10.45	45.542	- 1 52.4	31.3	14 57	.	.	.
36	Uranus C, C.	11	2 59.28	- 0.19	-58.21	304 12 10.60	46.042	- 1 21.5	31.3	15 2 0.88	.	- 16 49 46.2	.
37	β Libræ	11	12 22.28	- 0.17	-58.24	312 2 10.05	44.241	- 1 1.6	30.4	15 11	.	.	.
May 21, K.													
38	α Ursæ Minoris	6	20 29.92	+ 5.68	[-65.08]	49 44	.	.	.	1 19	.	.	.
39	β Arietis	11	49 55.45	+ 0.04	-65.08	341 18 0.15	48.172	- 19.6	32.3	1 48	.	.	.
May 22, K.													
40	Sun I	11	56 40.15	+ 0.04	-65.13	341 28	.	.	.	3 55 35.06	+67.97		.
41	Sun II, S.	11	58 56.11	+ 0.04	-65.14	341 12 7.38	43.060	- 19.6	32.8	3 57 51.01	-67.98	+ 20 10 13.3	.
42	α Aurigæ	11	10 0.90	+ 0.08	-65.14	6 54 5.65	46.196	+ 7.0	32.8	5 8	.	.	.
43	Mercury C, C.	11	17 8.35	+ 0.05	-65.17	346 18 9.28	45.258	- 13.9	32.8	5 16 3.23	+ 0.06	+ 25 17 3.0	.
44	ε Orionis	6	31 58.37	- 0.01	-65.17	319 46 7.70	43.622	- 48.4	32.2	5 30	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
4 11 0	29.966	68.2	67.0	1.	Bisections at I, VI, VII.	6	+35 16.3	-16 13.6	. .	+19 2.7
11 19 0	29.964	68.1	66.3	6.	Bisections at B, IV, D.	19	+ 0.4		. .	+ 0.4
11 44 0	29.966	67.0	65.3	7, 35, 39.	Bisections at II, VI, VII.	25	+ 3.1	-15 50.7	. .	-15 47.6
12 0 0	29.964	66.3	65.0	13, 18, 41, 43.	Bisections at II, VI.	26	+ 3.2	+15 50.7	. .	+15 53.9
13 30 0	29.958	64.7	63.0	17.	Z. D. thread A used.	27	+ 2.2		0.0	+ 2.2
13 50 0	29.952	64.7	62.4	25.	Bisections at I, II.	31	+ 1.7		+ 0.1	+ 1.8
14 9 0	29.956	64.0	62.2	26.	Bisection at VI.	36	+ 0.4		. .	+ 0.4
14 42 0	29.954	63.1	61.2			41	+ 2.8	+15 50.9	. .	+15 53.7
15 12 0	29.960	62.8	61.0			43	+ 1.9		+ 0.2	+ 2.1
1 3 0	29.838	75.5	73.9							
1 49 0	29.840	78.5	76.3							
3 7 0	29.820	81.0	79.0							
3 28 0	29.822	81.5	80.7							
4 51 0	29.800	83.6	81.8							
5 20 0	29.802	84.5	83.0							
5 43 0	29.804	84.5	83.2							
14 39 0	29.780	71.0	70.0							
15 13 0	29.776	69.7	68.5							
21 1 15	30.026	51.5	51.0	1 to 37.	Two microscopes read.					
1 49 0	30.030	55.6	52.6	15 to 20.	Reduced with places of "303" stars.					
22 3 58	30.008	56.8	55.2	33 to 37.	Reduced with places of "303" stars.					
5 10 0	29.990	58.0	56.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.			CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Orionis	4	50 34.64	+ 0.01	-65.24	328 24 . .				5 49 . .			
2	γ Geminorum	11	32 44.35	+ 0.03	-65.20	337 30 12.55	46.764	- 23.6	32.7	6 31 . .			
3	α Canis Majoris	11	41 36.68	- 0.04	-65.25	304 28 6.12	44.711	- 13.9	33.4	6 40 . .			
4	Venus I, S.	10	50 38.81	+ 0.05	-65.21	346 14 5.65	44.700	- 13.9	32.8	6 49 33.65	+ 0.57	+ 25 12 48.7	
5	Venus II, N.	9	50 39.63	+ 0.05	-65.21	346 14 5.65	45.565	- 13.9	32.8	6 49 34.47	- 0.25	+ 25 13 5.5	
6	δ Geminorum	11	14 56.91	+ 0.04	-65.16	343 12 7.35	44.284	- 17.2	33.4	7 13 . .			
7	May 22, P. α Ursæ Minoris	10	19 34.70	+ 2.52	[- 5.83]	49 44 . .				1 19 . .			
8	May 23, P. Sun I, S.	11	59 42.43	- 0.09	- 5.88	341 22 6.95	48.088	- 18.9	31.3	3 59 36.46	+ 67.83	+ 20 21 51.8	
9	Sun II, N.	11	1 58.09	- 0.09	- 5.88	341 54 6.45	46.968	- 18.3	31.3	4 1 52.12	- 67.83	+ 20 53 30.1	
10	Mercury C, C.	11	23 30.05	- 0.08	- 5.84	346 26 8.08	47.466	- 13.4	31.3	5 23 24.13	+ 0.07	+ 25 25 46.3	
11	ϵ Orionis	11	30 59.12	- 0.12	- 5.81	319 46 6.30	43.619	- 47.1	31.9	5 30 . .			
12	α Orionis	11	49 35.37	- 0.11	- 5.84	328 24 8.18	47.211	- 34.3	31.7	5 49 . .			
13	μ Geminorum	11	16 42.78	- 0.08	- 5.84	343 36 7.98	42.616	- 16.4	31.2	6 16 . .			
14	γ Geminorum	11	31 45.05	- 0.10	- 5.77	337 30 8.80	46.844	- 23.0	31.1	6 31 . .			
15	α Canis Majoris	11	40 37.36	- 0.15	- 5.82	304 28 6.15	44.480	- 120.9	30.8	6 40 . .			
16	Venus I	10	54 42.62	- 0.08	- 5.79					6 54 36.75	+ 0.55		
17	Venus II, C.	9	54 43.40	- 0.08	- 5.79	346 8 5.20	47.251	- 13.7	31.3	6 54 37.53	- 0.23	+ 25 7 39.0	
18	May 27, P. α Arietis	11	1 16.05	- 0.06	- 0.61	344 0 7.42	42.245	- 16.2	32.8	2 1 . .			
19	β Ursæ Minoris s. p.	11	51 7.65	- 0.32	[- 0.66]	66 24 . .				14 51 . .			
20	α Ceti	8	56 48.26	- 0.08	- 0.59	324 42 7.35	45.910	- 39.9	32.3	2 56 . .			
21	May 28, P. Sun I, N.	11	19 50.96	- 0.06	- 0.55	342 48 7.52	42.390	- 17.4	32.3	4 19 50.35	+ 68.12	+ 21 46 3.6	
22	Sun II, S.	11	22 7.19	- 0.06	- 0.55	342 16 6.05	43.685	- 17.9	32.3	4 22 6.58	- 68.11	+ 21 14 26.2	
23	α Orionis	11	49 29.97	- 0.08	- 0.46	328 24 6.72	47.312	- 34.2	31.9	5 49 . .			
24	Mercury C, C.	11	56 51.80	- 0.06	- 0.50	346 40 7.32	41.640	- 13.2	32.3	5 56 51.24	+ 0.10	+ 25 37 53.0	
25	γ Geminorum	11	31 39.66	- 0.07	- 0.42	337 30 8.45	46.896	- 23.0	31.5	6 31 . .			
26	α Canis Majoris	11	40 32.01	- 0.11	- 0.53	304 28 6.25	44.621	- 120.6	33.2	6 40 . .			
27	ϵ Canis Majoris	11	54 30.20	- 0.12	- 0.38	292 14 5.88	42.738	- 2 14.7	31.7	6 54 . .			
28	Venus I, C.	6	19 35.93	- 0.06	- 0.46	345 32 7.65	46.036	- 14.3	32.3	7 19 35.41	+ 0.66	+ 24 31 16.6	
29	Venus II	5	19 36.86	- 0.06	- 0.46					7 19 36.34	- 0.27		
30	α Geminorum	11	27 55.38	- 0.04	- 0.56	353 6 5.40	41.861	- 6.6	32.0	7 27 . .			
31	α Canis Minoris	11	33 49.44	- 0.08	- 0.45	326 32 7.38	42.166	- 36.6	32.6	7 33 . .			
32	β Geminorum	11	38 54.79	- 0.05	- 0.51	349 18 2.85	44.935	- 10.4	32.4	7 38 . .			
33	Moon I, N.	11	29 14.36	- 0.06	- 0.43	343 36 7.45	41.784	- 16.2	32.3	8 29 13.87	+ 73.23	+ 22 33 53.1	
34	June 1, S. α Virginis	11	59 48.91	- 0.42	+ 5.10	330 20 10.05	45.174	- 30.6	29.3	11 59 . .			
35	ϵ Corvi	11	4 40.38	- 0.47	+ 5.24	299 0 9.50	44.596	- 1 36.6	29.2	12 4 . .			
36	Moon I, N.	11	7 15.73	- 0.45	+ 5.24	318 20 9.05	44.777	- 47.9	28.8	12 7 20.52	+ 66.58	- 2 41 36.1	
37	α Ursæ Minoris s. p.	6	19 31.23	+ 2.41	[- 5.23]	52 14 . .				1 19 . .			
38	α Virginis	11	19 36.97	- 0.45	+ 5.37	310 26 10.10	40.865	- 1 3.4	27.9	13 19 . .			
39	June 5, P. α Ceti	9	56 36.76	- 0.22	+ 11.23	324 42 . .				2 56 . .			
40	ζ Persei	11	47 20.98	- 0.13	+ 11.15	352 36 4.22	43.315	- 7.2	35.5	3 47 . .			
41	June 6, P. Sun I, S.	9	56 30.71	- 0.16	+ 11.25	343 26 7.22	46.405	- 16.4	35.1	4 56 41.80	+ 68.62	+ 22 25 20.1	
42	Sun II, N.	10	58 47.94	- 0.16	+ 11.26	343 58 3.55	45.328	- 15.9	35.1	4 58 59.04	- 68.62	+ 22 56 52.7	
43	γ Geminorum	8	31 28.00	- 0.18	+ 11.37	337 30 7.92	47.145	- 22.8	34.5	6 31 . .			
44	δ Geminorum	4	13 40.60	- 0.16	+ 11.32	343 12 5.10	44.464	- 16.6	35.3	7 13 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
22 5 50	29.984	59.2	57.9	4.	Bisections at I, VII.	4	+ 1.9	+ 8.4	0.0	+ 10.3
6 32	29.974	60.1	58.5	5.	Bisections at II, VI.	5	+ 1.9	- 8.4	.	- 6.5
7 14	29.972	60.4	59.4	8, 21, 38, 41.	Bisections at I, II.	8	+ 2.7	+ 15 49.1	.	+ 15 51.8
23 4 1	30.076	70.8	69.2	9, 18, 22, 42.	Bisections at VI, VII.	9	+ 2.7	- 15 49.2	.	- 15 46.5
5 23	30.072	73.5	72.8	30.	Z. D. thread A used.	10	+ 1.9	.	+ 0.2	+ 2.1
5 49	30.070	73.0	72.8	33.	Bisections at II, III, IV, V, VI.	17	+ 1.9	.	- 0.1	+ 1.8
6 54	30.054	73.5	72.8	36.	Bisections at III, IV, V.	21	+ 2.5	- 15 48.7	.	- 15 46.2
27 2 1	29.930	62.5	61.2	43.	Bisection at VI.	22	+ 2.6	+ 15 48.6	.	+ 15 51.2
2 56	29.952	66.5	63.9			24	+ 2.1	.	+ 0.1	+ 2.2
4 22	29.944	68.5	66.9			28	+ 2.1	.	- 0.2	+ 1.9
5 49	29.932	71.0	70.0			33	+ 16 31.3	- 16 13.0	.	+ 0 18.3
6 31	29.922	73.0	71.7			36	+ 38 53.1	- 16 3.9	.	+ 22 49.2
7 19	29.920	74.0	72.9			41	+ 2.4	+ 15 46.3	.	+ 15 48.7
7 38	29.922	75.0	73.9			42	+ 2.4	- 15 46.3	.	- 15 43.9
8 29	29.926	76.0	76.2							
1 12 7	29.882	87.6	87.1							
13 9	29.892	86.2	85.2							
14 12	29.892	85.5	85.2							
5 3 47	29.916	74.5	71.8							
6 4 58	29.900	75.6	73.3							
6 31	29.888	76.5	74.4							
7 13	29.882	78.5	76.1							

34 to 38. Two microscopes read.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^2 Geminorum . . .	11	27 43.60	- 0.13	+ 11.28	353 8 1.42	46.072	- 6.6	35.0	7 27 . .	. .		. .
2	α Canis Minoris . . .	11	33 37.67	- 0.21	+ 11.42	326 32 6.48	42.376	- 36.4	35.3	7 33 . .	. .		. .
3	β Geminorum . . .	11	38 42.99	- 0.14	+ 11.35	349 18 1.32	45.142	- 10.4	35.0	7 38 . .	. .		. .
4	Venus I, C.	10	2 53.71	- 0.16	+ 11.38	343 48 4.10	44.979	- 15.9	35.1	8 3 4.93	+ 0.63	+ 22 46 48.4	. .
	June 6, S.												
5	53 Virginis	11	6 18.01	- 0.33	+ 12.62	305 24 10.60	44.340	- 1 18.5	29.8	13 6 . .	. .		. .
6	γ Hydræ	11	13 2.50	- 0.35	+ 12.73	298 26 10.25	41.998	- 1 43.0	29.7	13 13 . .	. .		. .
7	α Ursæ Minoris s. p. .	4	19 34.98	- 3.53	[+ 12.46]	52 14 . .	. .	. .	. .	1 19 . .	. .		. .
8	72 Virginis	11	24 46.84	- 0.30	+ 12.69	315 6 10.15	44.015	- 55.8	28.9	13 24 . .	. .		. .
9	73 Virginis	11	26 12.84	- 0.34	+ 12.75	302 52 10.00	40.612	- 1 26.6	27.9	13 26 . .	. .		. .
10	Saturn I, N.	6	59 26.77	- 0.31	+ 12.70	311 38 10.00	43.505	- 1 3.2	29.6	13 59 39.16	+ 0.66	- 9 24 15.5	. .
11	Saturn II, S.	5	59 28.10	- 0.31	+ 12.70	311 38 10.00	42.630	- 1 3.2	29.6	13 59 40.49	- 0.67	- 9 24 32.2	. .
12	Uranus C, C.	11	57 22.94	- 0.33	+ 12.71	304 30 9.75	46.874	- 1 22.0	29.6	14 57 35.32	. .	- 16 31 29.9	. .
13	24 Scorpii	11	35 20.64	- 0.33	+ 12.68	303 30 9.10	43.825	- 1 26.0	30.1	16 35 . .	. .		. .
14	20 Ophiuchi	11	43 51.99	- 0.32	+ 12.73	310 26 9.60	44.399	- 1 6.9	30.1	16 44 . .	. .		. .
15	24 Ophiuchi	11	50 18.75	- 0.35	+ 12.78	298 4 9.70	42.814	- 1 46.7	30.3	16 50 . .	. .		. .
16	ϵ Ursæ Minoris . . .	8	56 38.82	+ 0.29	[+ 12.68]	43 12 . .	. .	. .	. .	16 56 . .	. .		. .
17	η Ophiuchi	11	4 12.00	- 0.33	+ 12.70	305 26 9.75	45.590	- 1 20.2	30.0	17 4 . .	. .		. .
	June 7, S.												
18	α Virginis	11	19 29.60	- 0.24	+ 12.46	310 26 10.65	41.005	- 1 6.1	28.6	13 19 . .	. .		. .
19	α Ursæ Minoris s. p. .	6	19 34.17	- 3.13	[+ 13.86]	52 14 . .	. .	. .	. .	1 19 . .	. .		. .
20	m Virginis	11	35 56.22	- 0.23	+ 12.31	312 52 10.75	42.072	- 1 0.7	29.6	13 36 . .	. .		. .
21	Saturn I, S.	6	59 17.08	- 0.24	+ 12.37	311 38 11.40	44.560	- 1 3.4	29.5	13 59 29.21	+ 0.62	- 9 23 53.9	. .
22	Saturn II, N.	5	59 18.32	- 0.24	+ 12.37	311 38 11.40	45.542	- 1 3.4	29.5	13 59 30.45	- 0.62	- 9 23 35.2	. .
23	40 H. Virginis	11	4 56.67	- 0.25	+ 12.36	305 14 10.95	43.061	- 1 19.7	30.0	14 5 . .	. .		. .
24	κ Virginis	11	7 7.95	- 0.24	+ 12.35	311 14 11.05	46.269	- 1 4.3	29.6	14 7 . .	. .		. .
25	2 Libræ	11	17 36.91	- 0.24	+ 12.40	309 48 11.40	43.382	- 1 7.7	29.7	14 17 . .	. .		. .
26	μ Virginis	11	37 22.02	- 0.23	+ 12.34	315 50 11.05	42.685	- 54.9	29.6	14 37 . .	. .		. .
27	Uranus C, C.	11	57 14.81	- 0.25	+ 12.38	304 32 11.05	42.374	- 1 22.2	29.5	14 57 26.94	. .	- 16 30 55.0	. .
28	ν Serpentis	11	35 21.64	- 0.24	+ 12.40	308 12 9.85	46.969	- 1 12.5	29.7	17 35 . .	. .		. .
29	Mayer 703	11	49 35.35	- 0.25	+ 12.45	302 16 10.30	42.158	- 1 30.4	29.9	17 49 . .	. .		. .
30	ν Ophiuchi	11	53 5.56	- 0.24	+ 12.39	311 16 10.25	45.065	- 1 5.1	29.7	17 53 . .	. .		. .
31	δ Ursæ Minoris . . .	5	6 8.78	+ 0.90	[+ 12.96]	47 36 . .	. .	. .	. .	18 6 . .	. .		. .
32	μ Sagittarii	11	7 20.10	- 0.26	+ 12.37	299 58 10.25	42.070	- 1 38.9	28.9	18 7 . .	. .		. .
	June 7, P.												
33	β Ursæ Minoris s. p. .	11	50 54.23	- 0.19	[+ 12.25]	66 24 . .	. .	. .	. .	14 51 . .	. .		. .
34	α Ceti	4	56 35.73	- 0.26	+ 12.35	324 42 5.25	46.218	- 39.9	32.7	2 56 . .	. .		. .
35	γ^2 Ursæ Minoris s. p. .	4	20 46.57	- 0.19	[+ 12.33]	68 46 . .	. .	. .	. .	15 20 . .	. .		. .
36	η Tauri	10	41 2.85	- 0.24	+ 12.18	344 48 5.90	45.202	- 15.2	33.5	3 41 . .	. .		. .
37	α Tauri	11	29 42.01	- 0.25	+ 12.20	337 20 6.80	42.562	- 23.4	31.0	4 29 . .	. .		. .
	June 8, P.												
38	Sun I, N.	11	4 44.85	- 0.24	+ 12.21	344 10 7.58	43.045	- 15.8	32.9	5 4 56.82	+ 68.72	+ 23 8 18.8	. .
39	Sun II, S.	11	7 2.29	- 0.24	+ 12.21	343 38 5.75	44.820	- 16.4	32.9	5 7 14.26	- 68.72	+ 22 36 46.8	. .
40	α Canis Majoris . . .	11	40 19.46	- 0.30	+ 12.20	304 28 5.85	44.769	- 1 20.8	33.5	6 40 . .	. .		. .
41	Mercury I, C.	11	47 39.30	- 0.24	+ 12.17	344 54 6.18	42.429	- 15.0	32.9	6 47 51.23	+ 0.32	+ 23 52 4.6	. .
42	ϵ Canis Majoris . . .	11	54 17.83	- 0.32	+ 12.15	292 14 4.82	42.995	- 2 14.8	33.2	6 54 . .	. .		. .
43	α^2 Geminorum	11	27 42.91	- 0.23	+ 12.07	353 8 3.68	45.873	- 6.6	33.0	7 27 . .	. .		. .
44	α Canis Minoris . . .	11	33 36.93	- 0.26	+ 12.21	326 32 6.45	42.298	- 36.6	33.5	7 33 . .	. .		. .
45	β Geminorum	10	38 42.28	- 0.24	+ 12.16	349 18 2.02	44.970	- 10.4	32.5	7 38 . .	. .		. .
46	Venus I, C.	11	12 14.61	- 0.24	+ 12.14	343 18 4.85	46.484	- 16.6	32.9	8 12 26.51	+ 0.64	+ 22 17 19.5	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 7 38	29.882	79.0	75.9	9. 34.	Bisections at VI, VII.	4	+	2.5	- 0.4	+ 2.1
13 3 2	29.884	79.0	76.2	10. 22.	Bisections at II, VI.	10	+	0.7	. .	7.7
13 3 8	29.936	70.4	68.3	11. 21.	Bisections at I, VII.	11	+	0.7	. .	9.0
14 8	29.965	67.8	65.4	29. 43.	Bisections at II, VI, VII.	12	+	0.4	. .	0.4
15 9	29.992	65.8	63.2	35.	Bisections at I, II.	21	+	0.7	. .	10.0
16 4	30.005	63.4	60.6	39.	Bisections at VI, VII.	22	+	0.7	. .	8.7
17 6	30.011	61.6	58.3			27	+	0.4	. .	0.4
18 11	30.107	68.0	67.1			38	+	2.3	- 15 46.0	- 15 43.7
19 1	30.112	67.6	66.9			39	+	2.4	+ 15 45.9	+ 15 48.3
20 56	30.096	62.8	60.4			41	+	3.0	. .	2.9
21 11	30.092	61.2	59.3			46	+	2.6	. .	2.1
22 56	30.176	71.5	68.5						0.5	
23 41	30.174	74.0	69.9							
24 29	30.160	74.0	71.5							
25 7	30.150	75.0	72.8							
26 40	30.115	76.0	74.2							
27 54	30.106	76.5	74.8							
28 27	30.098	77.5	75.3							
29 38	30.096	78.0	75.8							
30 12	30.086	77.5	76.0							

5 to 32. Two microscopes read; reduced with places of "303" stars.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.	
			m s	s	Instrument.	Clock.									
1	α Ursæ Minoris S. P.	3	19 34.53	- 0.66	[+ 11.99]	52 14	rev.				1 19				
2	Saturn I, S.	10	59 8.30	- 0.25	+ 12.00	311 38	0.15	47.150	- 1 3.2	29.1	13 59 20.05	+ 0.58	- 9 23 14.9		
3	Saturn II, N.	9	59 9.46	- 0.25	+ 12.00	311 38	0.15	47.990	- 1 3.2	29.1	13 59 21.21	- 0.58	- 9 22 58.9		
4	α Libræ	11	44 55.05	- 0.25	+ 11.97	305 25	59.60	43.740	- 1 19.1	29.5	14 45				
5	Uranus C, C.	11	57 7.13	- 0.26	+ 12.00	304 31	58.75	44.691	- 1 21.8	29.1	14 57 18.87		- 16 30 22.0		
6	β Libræ	11	11 12.27	- 0.24	+ 12.04	312 2	1.75	44.691	- 1 2.5	28.7	15 11				
July 2, P.															
7	γ Tauri.	11	13 43.15	- 0.51	+ 7.24	336 24	1.28	44.754	- 24.3	31.0	4 13				
8	α Tauri	11	29 47.81	- 0.51	+ 7.19	337 20	6.80	42.608	- 23.2	30.3	4 29				
9	α Camelopardalis	10	43 30.49	- 0.68	[+ 7.08]	27 10					4 43				
10	ι Aurigæ.	11	50 3.51	- 0.52	+ 7.09	354 0	3.15	48.362	- 5.8	30.6	4 50				
11	ϵ Ursæ Minoris S. P.	11	56 42.14	+ 0.86	[+ 7.14]	58 46					16 56				
12	β Orionis.	11	9 23.34	- 0.55	+ 7.17	312 42	6.02	47.010	- 1 0.0	30.2	5 9				
July 3, P.															
13	Sun I, S.	11	48 36.42	- 0.51	+ 7.13	343 42	6.65	47.698	- 16.1	30.5	6 48 43.04	+ 68.62	+ 22 41 49.0		
14	Sun II, N.	11	50 53.66	- 0.51	+ 7.13	344 14	3.65	46.372	- 15.6	30.5	6 51 0.28	- 68.62	+ 23 13 17.9		
15	ϵ Leonis	11	39 48.21	- 0.51	+ 6.99	345 16	4.72	46.781	- 14.4	30.2	9 39				
16	Venus I, C.	11	58 6.71	- 0.52	+ 7.06	334 44	4.82	44.615	- 26.0	30.5	9 58 13.25	+ 0.77	+ 13 42 36.7		
17	α Leonis	11	2 41.36	- 0.52	+ 7.12	333 30	5.90	45.228	- 27.4	30.7	10 2				
18	γ^1 Leonis	8	14 5.76	- 0.51	+ 7.08	341 24	5.05	43.432	- 18.5	30.6	10 14				
19	δ Scorpii.	11	54 4.13	- 0.50	+ 6.88	298 44	3.38	41.620	- 1 41.4	31.7	15 54				
20	β^1 Scorpii.	11	59 16.56	- 0.49	+ 6.82	301 32	4.28	41.932	- 1 30.6	30.9	15 59				
21	δ Ophiuchi.	11	8 47.01	- 0.48	+ 6.94	317 36	3.35	45.266	- 50.9	31.1	16 8				
22	Moon I, N.	11	21 24.47	- 0.52	+ 6.87	293 46	4.50	47.790	- 2 5.7	31.2	16 21 30.82	+ 71.76	- 27 16 2.9		
23	ϵ Ursæ Minoris.	10	56 45.03	- 1.82	[+ 6.88]	43 12					16 56				
July 8, P.															
24	α Tauri	11	29 50.10	- 0.65	+ 5.19	337 20	5.32	42.680	- 22.6	28.5	4 29				
25	ι Aurigæ.	11	50 5.80	- 0.68	+ 5.13	354 0	3.68	48.238	- 5.6	29.6	4 50				
26	ϵ Ursæ Minoris S. P.	5	56 42.86	+ 1.49	[+ 5.17]	58 46					16 56				
27	β Orionis.	11	9 25.53	- 0.66	+ 5.21	312 42	6.10	46.966	- 58.5	29.9	5 9				
July 9, P.															
28	Sun I, N.	11	13 17.87	- 0.65	+ 5.13	343 38	1.55	44.518	- 15.8	29.6	7 13 22.35	+ 68.35	+ 22 36 44.1		
29	Sun II, S.	11	15 34.57	- 0.65	+ 5.13	343 6	7.05	45.970	- 16.3	29.6	7 15 39.05	- 68.35	+ 22 5 13.9		
30	α Hydræ.	11	22 21.85	- 0.66	+ 5.11	312 50	6.90	43.358	- 57.8	29.8	9 22				
31	α Leonis	10	2 43.50	- 0.64	+ 5.08	333 30	6.15	45.128	- 26.7	29.8	10 2				
32	γ^1 Leonis	11	14 7.94	- 0.65	+ 5.02	341 24	5.30	43.361	- 18.0	30.1	10 14				
33	Venus I, S.	11	20 7.51	- 0.64	+ 5.06	332 14	3.48	41.112	- 28.2	29.6	10 20 11.93	+ 0.81	+ 11 11 26.9		
34	Venus N.					332 14	3.48	42.328	- 28.2	29.6			+ 11 11 50.3		
35	α Tauri	11	29 50.25	- 0.38	+ 4.80	337 20	6.18	42.768	- 23.6	29.9	4 29				
36	ι Aurigæ	11	50 5.85	- 0.38	+ 4.80	354 0	2.40	48.335	- 5.9	29.9	4 50				
37	ϵ Ursæ Minoris S. P.	4	56 44.08	+ 0.52	[+ 4.81]	58 46					16 56				
38	β Orionis.	11	9 25.67	+ 0.42	+ 4.85	312 42	3.75	47.231	- 1 1.0	29.9	5 9				
July 10, P.															
39	Sun I, S.	11	17 23.15	- 0.38	+ 4.77	342 58	0.10	47.825	- 17.1	29.9	7 17 27.54	+ 68.25	+ 21 57 44.4		
40	Sun II, N.	11	19 39.65	- 0.38	+ 4.77	343 30	5.02	46.148	- 16.5	29.9	7 19 44.04	- 68.25	+ 22 29 14.8		
41	α Hydræ	11	22 21.97	- 0.42	+ 4.75	312 50	6.28	43.509	- 1 0.0	29.7	9 22				
42	ϵ Leonis	10	39 50.37	- 0.38	+ 4.68	345 16	4.58	46.808	- 14.6	30.8	9 39				
43	α Leonis	11	2 43.54	- 0.39	+ 4.79	333 30	6.95	45.111	- 27.7	29.2	10 2				
44	γ^1 Leonis	11	14 7.98	- 0.38	+ 4.70	341 24	5.28	43.495	- 18.7	30.2	10 14				
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.															
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi diam.	Corr. for Def. Ill.	Sum.			
d h m	in.	°	°						' "	' "	"	' "			
8 13 59	30.016	68.0	66.4	2, 33.											
14 57	30.002	66.5	65.2	3, 4, 34.											
2 4 13	30.077	73.5	72.3	10.				2	+	0.7	+	8.0	+	8.7	
4 50	30.076	76.5	74.4	13, 28, 39.				3	+	0.7	-	8.0	-	7.3	
5 9	30.076	77.5	75.0					5	+	0.4			+	0.4	
6 50	30.056	77.6	75.1	14, 24, 29, 35, 40, 44.				13	+	2.4	+ 15 44.4		+ 15 46.8		
9 39	30.030	79.0	77.3	22.				14	+	2.3	- 15 44.4		- 15 42.1		
10 14	30.012	79.5	77.7					16	+	4.9		-	1.4	+ 3.5	
15 54	29.984	71.5	70.4					22	+ 51	27.6	- 15 24.0		+ 36 3.6		
16 21	29.974	71.0	70.5					28	+	2.4	- 15 45.1		- 15 42.7		
8 4 29	29.650	79.5	79.6					29	+	2.5	+ 15 45.0		+ 15 47.5		
5 9	29.666	83.0	80.9					33	+	5.7	+	12.1	-	0.8	+ 17.0
9 7 15	29.690	85.7	84.1					34	+	5.7	-	12.1		-	6.4
9 22	29.700	88.0	86.0					39	+	2.5	+ 15 45.1		+ 15 47.6		
10 2	29.712	88.6	86.0	1 to 6. Two microscopes read; reduced with places of "303" stars.				40	+	2.4	- 15 45.2		- 15 42.8		
4 29	29.960	67.0	64.3	5, 6. The Z. D. micrometer readings are :											
5 9	29.968	69.0	65.2	.610, .625, .745, .785, mean 44.691.											
7 19	29.962	71.6	69.1	.590, .645, .755, .775, mean 44.691.											
9 22	29.950	73.5	71.1												
10 2	29.952	75.0	71.7												

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	Venus I, S.	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	Venus N.	11	23 39.05	- 0.39	+ 4.72	331 48 2.60	42.162	- 29.8	29.9	10 23 43.38	+ 0.82	+ 10 45 44.2	. .
	July 17, P.					331 48 2.60	43.320	- 29.8	29.9			+ 10 46 6.5	. .
3	β Tauri	11	19 39.27	- 0.57	+ 1.68	349 32 1.78	45.983	- 10.0	30.8	5 19 . .	. .		. .
4	δ Orionis	11	26 38.15	- 0.54	+ 1.77	320 40 7.85	42.284	- 44.4	30.9	5 26 . .	. .		. .
5	ϵ Orionis	11	30 52.75	- 0.54	+ 1.74	319 46 4.70	43.985	- 45.9	30.4	5 30 . .	. .		. .
6	α Orionis	11	49 28.87	- 0.54	+ 1.79	328 24 4.98	47.522	- 33.3	30.4	5 49 . .	. .		. .
7	δ Ursæ Minoris s. p. .	9	6 12.45	+ 4.16	[+ 1.77]	54 22 . .				18 6 . .	. .		. .
8	Mercury II, C. . . .	11	28 40.59	- 0.55	+ 1.72	341 4 6.00	41.348	- 18.5	30.4	6 28 41.76	- 0.31	+ 20 1 42.7	. .
	July 18, P.												
9	Sun I, N.	11	49 52.25	- 0.55	+ 1.68	342 18 2.82	42.280	- 17.2	30.4	7 49 53.38	+ 67.73	+ 21 16 0.2	. .
10	Sun II, S.	11	52 7.71	- 0.55	+ 1.68	341 46 6.78	43.852	- 17.7	30.4	7 52 8.84	- 67.73	+ 20 44 30.9	. .
11	α Leonis	11	2 46.80	- 0.54	+ 1.67	333 30 7.65	45.078	- 26.7	30.2	10 2 . .	. .		. .
12	γ Leonis	11	14 11.28	- 0.55	+ 1.56	341 24 6.60	43.276	- 18.0	30.0	10 14 . .	. .		. .
13	Venus I, S.	11	50 24.26	- 0.54	+ 1.60	328 18 0.18	45.318	- 33.1	30.4	10 50 25.32	+ 0.90	+ 7 16 38.6	. .
14	Venus N.	11				328 18 0.18	46.620	- 33.1	30.4			+ 7 17 3.6	. .
	July 19, P.												
15	β Tauri	11	19 39.71	- 0.52	+ 1.25	349 32 2.22	45.880	- 10.0	29.9	5 19 . .	. .		. .
16	δ Orionis	11	26 38.69	- 0.44	+ 1.18	320 40 6.52	42.350	- 44.6	30.3	5 26 . .	. .		. .
17	ϵ Orionis	11	30 53.25	- 0.43	+ 1.17	319 46 4.95	43.979	- 46.0	30.2	5 30 . .	. .		. .
18	α Orionis	11	49 29.36	- 0.45	+ 1.26	328 24 5.98	47.502	- 33.4	30.7	5 49 . .	. .		. .
19	Mercury II, C. . . .	11	34 9.07	- 0.49	+ 1.19	341 26 6.80	44.781	- 18.1	30.0	6 34 9.77	- 0.29	+ 20 24 50.2	. .
	July 20, P.												
20	Sun I, S.	11	57 54.14	- 0.49	+ 1.15	341 24 3.10	44.075	- 18.0	30.0	7 57 54.80	+ 67.54	+ 20 22 34.4	. .
21	Sun II, N.	11	0 9.22	- 0.49	+ 1.15	341 56 4.98	42.508	- 17.5	30.0	8 0 9.88	- 67.54	+ 20 54 3.9	. .
22	η Ursæ Majoris . . .	11	25 51.00	- 0.72	[+ 1.13]	13 10 6.80	45.026	+ 12.6	[30.3]	9 25 . .	. .		. .
23	ϵ Leonis	11	39 54.10	- 0.50	+ 1.08	345 16 5.45	46.631	- 14.0	29.5	9 39 . .	. .		. .
24	α Leonis	11	2 47.26	- 0.46	+ 1.13	333 30 6.72	45.075	- 26.6	29.3	10 2 . .	. .		. .
25	γ Leonis	11	14 11.71	- 0.49	+ 1.07	341 24 6.10	43.284	- 17.9	29.9	10 14 . .	. .		. .
26	Venus I, N.	11	56 39.16	- 0.45	+ 1.07	327 26 5.60	44.069	- 34.0	30.0	10 56 39.78	+ 0.92	+ 6 24 19.6	. .
	July 30, P.												
27	δ Scorpii	11	54 19.42	- 0.52	- 8.58	298 44 4.92	41.482	- 1 39.7	30.7	15 54 . .	. .		. .
28	β Scorpii	11	59 31.89	- 0.51	- 8.67	301 32 3.88	41.896	- 1 29.2	30.8	15 59 . .	. .		. .
29	Moon I, N.	11	3 39.68	- 0.54	- 8.62	294 26 4.48	41.508	- 2 0.2	30.5	16 3 30.52	+ 71.49	- 26 37 57.2	. .
30	Groombridge 2320 . .	7	6 14.00	- 0.77	[- 8.68]	29 6 . .				16 6 . .	. .		. .
31	α Scorpii	11	23 10.43	- 0.53	- 8.61	294 52 2.80	40.684	- 1 58.2	29.9	16 23 . .	. .		. .
32	δ Draconis	7	28 23.05	- 0.79	[- 8.55]	30 0 . .				16 28 . .	. .		. .
	August 6, P.												
33	γ Geminorum	10	31 51.36	- 0.38	- 10.82	337 30 5.40	47.031	- 22.4	29.6	6 31 . .	. .		. .
34	α Canis Majoris . . .	11	40 43.30	- 0.33	- 10.88	304 28 4.00	45.195	- 1 18.8	30.1	6 40 . .	. .		. .
35	ϵ Canis Majoris . . .	11	54 41.42	- 0.32	- 10.84	292 14 3.12	43.494	- 2 11.5	29.7	6 54 . .	. .		. .
36	α Canis Minoris . . .	11	34 0.66	- 0.36	- 10.86	326 32 4.78	42.318	- 35.7	28.9	7 33 . .	. .		. .
37	Mercury C, C.	6	26 51.93	- 0.40	- 10.91	341 20 5.32	45.162	- 18.2	29.2	8 26 40.62	- 0.02	+ 20 18 56.7	. .
	August 7, P.												
38	Sun I, S.	4	8 32.64	- 0.38	- 10.93	337 8 1.70	45.025	- 22.7	29.2	9 8 21.33	+ 65.96	+ 16 6 47.3	. .
39	Sun II, N.	11	10 44.57	- 0.38	- 10.94	337 40 6.00	43.602	- 22.1	29.2	9 10 33.25	- 65.96	+ 16 38 22.3	. .
40	α Ursæ Majoris . . .	6	57 28.03	- 0.80	[- 10.92]	23 20 . .				10 57 . .	. .		. .
41	δ Leonis	7	8 44.26	- 0.40	- 11.01	342 8 6.35	41.595	- 17.3	27.5	11 8 . .	. .		. .
42	Venus I, N.	10	43 25.27	- 0.34	- 11.03	319 48 6.18	44.600	- 45.3	29.2	11 43 13.90	+ 1.18	- 1 13 40.1	. .
43	α Canis Majoris . . .	11	40 43.48	- 0.38	- 10.99	304 28 5.08	45.202	- 1 19.2	30.7	6 40 . .	. .		. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' . "
10	10 23	29.950	75.0	72.3	1, 13.	Bisections at I, VII.	1	+ 5.9	+ 11.5	- 0.7	+ 16.7
17	5 19	29.854	83.0	82.3	2, 14.	Bisections at II, VI.	2	+ 5.9	- 11.5	.	+ 5.6
	5 49	29.856	85.0	83.3		Bisections at II, VI, VII.	8	+ 3.7	.	- 0.3	+ 3.4
18	6 28	29.864	87.5	84.7	3.	Bisections at I, II.	9	+ 2.6	- 15 44.6	.	- 15 42.0
	7 52	29.878	88.0	86.9	9, 20, 38, 41.	Bisections at VI, VII.	10	+ 2.7	+ 15 44.6	.	+ 15 47.3
	10 2	29.870	90.0	88.3	10, 21, 39.	Bisections at V, VI, VII.	13	+ 7.2	+ 13.0	- 1.0	+ 19.2
19	5 19	29.944	80.5	82.1	27.	Bisections at II, III, IV, V, VI.	14	+ 7.2	- 13.0	.	+ 5.8
	5 49	29.942	83.0	83.7	29.		19	+ 3.4	.	- 0.2	+ 3.2
	6 34	29.942	85.5	85.7			20	+ 2.7	+ 15 44.7	.	+ 15 47.4
20	5 0	29.940	90.0	89.9			21	+ 2.7	- 15 44.8	.	- 15 42.1
	9 25	29.910	92.0	91.9			26	+ 7.6	- 13.7	.	+ 6.1
	10 2	29.898	92.5	92.2			29	+ 51 19.1	- 15 26.1	.	+ 35 53.0
30	10 56	29.884	92.5	92.2			37	+ 2.3	.	+ 0.1	+ 2.4
	15 54	29.645	75.0	73.1			38	+ 3.4	+ 15 47.4	.	+ 15 50.8
	16 23	29.654	74.0	71.3			39	+ 3.3	- 15 47.5	.	- 15 44.2
6	6 31	29.712	79.5	80.1			42	+ 11.7	- 17.6	.	- 5.9
	6 54	29.720	81.0	80.9							
	7 33	29.726	83.5	83.1							
	8 26	29.734	85.0	84.3							
7	9 10	29.723	85.2	84.5							
	11 8	29.728	87.5	86.4							
	11 43	29.730	87.5	86.3							
	6 40	29.886	80.5	81.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ε Canis Majoris . . .	11	54 41.61	- 0.40	-10.93	292 14 3.45	43.562	- 2 12.1	30.5	6 54 . .	. .		. .
2	δ Canis Majoris . . .	11	4 19.06	- 0.39	-11.00	294 50 4.05	43.164	- 1 56.9	30.2	7 4 . .	. .		. .
3	α² Geminorum . . .	10	28 6.95	- 0.46	-10.98	353 8 4.70	45.351	- 6.5	29.4	7 27 . .	. .		. .
4	β Geminorum . . .	7	39 6.37	- 0.44	-11.08	349 18 5.28	44.449	- 10.2	29.5	7 38 . .	. .		. .
5	Mercury C. . . .	11	35 15.23	- 0.42	-11.02	340 58 . .	. .	. .	. .	8 35 3.79	- 0.01		. .
August 8, P.													
6	Sun I, N. . . .	11	12 21.65	- 0.41	-11.03	337 22 8.02	46.665	- 22.5	30.1	9 12 10.21	+66.00	+ 16 21 24.4	. .
7	Sun II, S. . . .	11	14 33.66	- 0.41	-11.03	336 50 5.98	48.205	- 23.1	30.1	9 14 22.22	-66.01	+ 15 49 48.7	. .
8	α Ursæ Majoris . . .	11	57 28.07	- 0.75	-11.02	23 20 . .	. .	. .	. .	10 57 . .	. .		. .
9	β Leonis	8	43 55.12	- 0.41	-11.08	336 10 . .	. .	. .	. .	11 43 . .	. .		. .
10	Venus I, N. . . .	11	45 23.64	- 0.38	-11.08	319 24 6.45	46.612	- 46.2	30.1	11 45 12.18	+ 1.20	- 1 37 3.1	. .
11	ε Canis Majoris . . .	11	54 41.79	- 0.33	-11.16	292 14 3.62	43.613	- 2 12.1	30.7	6 54 . .	. .		. .
12	δ Canis Majoris . . .	11	4 19.15	- 0.33	-11.13	294 50 3.20	43.255	- 1 56.8	31.0	7 4 . .	. .		. .
13	α² Geminorum . . .	11	28 7.10	- 0.43	-11.14	353 8 . .	. .	. .	. .	7 27 . .	. .		. .
14	α Canis Minoris . . .	10	34 0.95	- 0.35	-11.12	326 32 6.20	42.367	- 35.8	30.4	7 33 . .	. .		. .
15	β Geminorum . . .	10	39 6.45	- 0.41	-11.17	349 18 3.68	44.578	- 10.2	30.5	7 38 . .	. .		. .
16	Mercury C, C. . .	10	43 40.79	- 0.38	-11.17	340 34 5.68	45.878	- 19.0	30.6	8 43 29.24	- 0.01	+ 19 33 8.6	. .
August 9, P.													
17	Sun I, S. . . .	11	16 10.29	- 0.37	-11.19	336 34 0.70	44.520	- 23.3	30.6	9 15 58.73	+65.87	+ 15 32 34.6	. .
18	Sun II, N. . . .	11	18 22.03	- 0.37	-11.19	337 6 4.60	43.058	- 22.7	30.6	9 18 10.47	-65.87	+ 16 4 8.5	. .
19	α Ursæ Majoris . . .	11	57 28.19	- 0.75	-11.15	23 20 . .	. .	. .	. .	10 57 . .	. .		. .
20	Venus I, N. . . .	11	47 17.28	- 0.34	-11.24	319 2 5.75	43.308	- 46.4	30.6	11 47 5.70	+ 1.22	- 2 0 7.8	. .
21	ε Canis Majoris . . .	11	54 41.85	- 0.35	-11.18	292 14 4.08	43.532	- 2 11.6	30.6	6 54 . .	. .		. .
22	δ Canis Majoris . . .	11	4 19.31	- 0.34	-11.26	294 50 4.52	43.158	- 1 56.3	30.8	7 4 . .	. .		. .
23	α² Geminorum . . .	11	28 7.21	- 0.43	-11.23	353 8 3.55	45.434	- 6.5	30.0	7 27 . .	. .		. .
24	α Canis Minoris . . .	11	34 1.08	- 0.36	-11.22	326 32 5.15	42.370	- 35.7	30.1	7 33 . .	. .		. .
25	β Geminorum . . .	11	39 6.48	- 0.42	-11.17	349 18 5.38	44.421	- 10.2	29.2	7 38 . .	. .		. .
26	Mercury C, C. . .	11	52 6.64	- 0.38	-11.25	340 8 5.02	43.949	- 19.3	30.2	8 51 55.01	- 0.01	+ 19 6 31.1	. .
August 10, P.													
27	Sun I, N. . . .	11	19 58.36	- 0.38	-11.26	336 48 1.12	45.018	- 22.8	30.2	9 19 46.72	+65.74	+ 15 46 45.5	. .
28	Sun II, S. . . .	11	22 9.86	- 0.38	-11.27	336 16 5.90	46.040	- 23.4	30.2	9 21 58.21	-65.75	+ 15 15 6.7	. .
29	α Ursæ Majoris . . .	11	57 28.32	- 0.75	-11.28	23 20 . .	. .	. .	. .	10 57 . .	. .		. .
30	β Leonis	9	43 55.28	- 0.38	-11.28	336 10 5.28	47.091	- 23.4	29.9	11 43 . .	. .		. .
31	Venus I, N. . . .	11	49 6.07	- 0.35	-11.33	318 40 5.72	41.195	- 46.6	30.2	11 48 54.39	+ 1.24	- 2 22 48.1	. .
32	γ Corvi	11	10 37.18	- 0.34	-11.39	304 4 5.65	46.075	- 1 18.1	30.9	12 10 . .	. .		. .
August 12, P.													
33	δ Canis Majoris . . .	11	4 19.25	- 0.37	-11.11	294 50 5.60	43.089	- 1 56.1	30.1	7 4 . .	. .		. .
34	α Geminorum . . .	11	28 7.23	- 0.43	-11.18	353 8 5.28	45.314	- 6.4	29.8	7 27 . .	. .		. .
35	α Canis Minoris . . .	11	34 1.09	- 0.37	-11.17	326 32 5.10	42.418	- 35.6	30.9	7 33 . .	. .		. .
36	β Geminorum . . .	11	39 6.45	- 0.42	-11.07	349 18 4.08	44.515	- 10.1	30.0	7 38 . .	. .		. .
37	Mercury C, C. . .	11	17 11.64	- 0.39	-11.17	338 34 4.98	46.201	- 21.0	30.2	9 17 0.08	0.00	+ 17 33 12.5	. .
August 13, P.													
38	Sun I, S. . . .	11	31 18.53	- 0.38	-11.17	335 22 3.22	46.318	- 24.6	30.2	9 31 6.98	+65.54	+ 14 21 10.7	. .
39	Sun II, N. . . .	11	33 29.60	- 0.38	-11.17	335 54 4.15	45.080	- 24.0	30.2	9 33 18.05	-65.53	+ 14 52 46.0	. .
40	β Leonis	11	43 55.21	- 0.39	-11.21	336 10 5.82	47.080	- 23.6	30.2	11 43 . .	. .		. .
41	γ Ursæ Majoris . . .	11	48 31.65	- 0.57	-11.14	15 18 . .	. .	. .	. .	11 48 . .	. .		. .
42	Venus I, N. . . .	11	54 1.04	- 0.36	-11.21	317 34 4.45	42.598	- 48.8	30.2	11 53 49.47	+ 1.30	- 3 28 24.7	. .
August 15, P.													
43	α Canis Minoris . . .	11	34 1.18	- 0.36	-11.21	326 32 5.65	42.330	- 35.9	29.3	7 33 . .	. .		. .
44	β Geminorum . . .	11	39 6.56	- 0.41	-11.13	349 18 5.25	44.292	- 10.2	28.8	7 38 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Cor. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
7 7 4	29.890	81.5	81.5	6, 17, 27, 32, 38, 44. 7, 18, 28, 39. 11, 14.	Bisections at I, II. Bisections at VI, VII. Bisections at II, VI, VII.	6	+	3.3	-15 47.8	-15 44.5
7 7 39	29.892	82.5	82.4			7	+	3.4	+15 47.8	+15 51.2
8 8 35	29.890	84.0	83.6			10	+	12.0	- 17.9	- 5.9
8 9 14	29.884	85.8	85.3			16	+	2.3	. .	+ 2.4
11 45	29.874	88.0	86.2			17	+	3.4	+15 46.9	+15 50.3
6 54	29.948	81.5	82.4			18	+	3.4	-15 47.0	-15 43.6
7 39	29.956	85.0	84.9			20	+	12.3	- 18.2	- 5.9
8 43	29.946	88.0	88.0			26	+	2.3	. .	+ 2.4
9 9 18	29.944	89.5	89.2			27	+	3.4	-15 49.4	-15 46.0
11 47	29.900	92.0	91.1			28	+	3.5	+15 49.3	+15 52.8
6 54	29.856	82.5	83.1			31	+	12.6	- 18.5	- 5.9
7 39	29.858	86.0	85.5			37	+	2.4	. .	+ 2.4
8 52	29.846	90.0	89.9			38	+	3.6	+15 47.6	+15 51.2
10 9 22	29.836	91.2	91.3			39	+	3.5	-15 47.6	-15 44.1
11 49	29.804	95.0	93.9			42	+	13.5	- 19.4	- 5.9
12 10	29.800	95.5	94.2						0.0	
12 7 4	29.772	82.5	83.1							
7 39	29.784	85.0	85.0							
9 17	29.772	87.5	86.8							
13 9 33	29.768	87.9	87.1							
11 43	29.750	89.5	88.7							
15 7 39	29.924	84.0	83.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	August 16, P.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, N.	11	42 34.14	- 0.37	-11.20	334 58 7.05	44.755	- 25.1	29.0	9 42 22.57	+65.31	+ 13 56 45.3	. .
2	Sun II, S.	11	44 44.77	- 0.37	-11.20	334 26 6.08	46.135	- 25.7	29.0	9 44 33.20	-65.32	+ 13 25 7.6	. .
3	α Ursæ Majoris	11	57 28.09	- 0.68	[-11.16]	23 20 . .	. .	. .	. .	10 57 . .	. .	. .	. .
4	Venus I, N.	11	58 6.23	- 0.35	-11.23	316 32 4.88	44.462	- 50.7	29.0	11 57 54.65	+ 1.36	- 4 29 49.2	. .
	August 18, P.												
5	α Canis Minoris	11	34 1.60	- 0.34	-11.59	326 32 5.05	42.411	- 36.0	30.0	7 33 . .	. .	. .	. .
6	β Geminorum	11	39 7.00	- 0.35	-11.56	349 18 4.38	44.445	- 10.3	29.2	7 38 . .	. .	. .	. .
	August 19, P.												
7	Sun I, S.	11	53 45.55	- 0.34	-11.60	333 28 7.88	45.950	- 27.0	29.7	9 53 33.61	+65.08	+ 12 27 6.4	. .
8	Sun II, N.	11	55 55.71	- 0.34	-11.60	334 0 6.82	44.985	- 26.4	29.7	9 55 43.77	-65.08	+ 12 58 44.9	. .
9	Mercury C, C.	11	4 54.63	- 0.34	-11.60	334 42 5.28	44.238	- 25.6	29.7	10 4 42.69	0.00	+ 13 40 31.1	. .
10	α Ursæ Majoris	11	57 28.27	- 0.46	[-11.56]	23 20 . .	. .	. .	. .	10 57 . .	. .	. .	. .
11	δ Leonis	11	8 44.84	- 0.34	-11.65	342 8 4.30	41.852	- 17.5	29.5	11 8 . .	. .	. .	. .
12	λ Draconis	11	25 23.45	- 0.55	[-11.61]	30 54 . .	. .	. .	. .	11 25 . .	. .	. .	. .
13	β Leonis	11	43 55.50	- 0.34	-11.57	336 10 6.32	47.048	- 23.9	30.0	11 43 . .	. .	. .	. .
14	Venus I, N.	11	1 16.62	- 0.35	-11.62	315 36 2.98	43.651	- 53.1	29.7	12 1 4.65	+ 1.43	- 5 26 9.8	. .
	August 22, P.												
15	α² Geminorum	11	28 13.31	- 0.40	-17.03	353 8 3.05	45.346	- 6.6	28.8	7 27 . .	. .	. .	. .
16	α Canis Minoris	11	34 7.14	- 0.38	-17.00	326 32 6.60	42.325	- 36.5	29.3	7 33 . .	. .	. .	. .
17	β Geminorum	11	39 12.59	- 0.39	-17.01	349 18 4.40	44.394	- 10.4	28.5	7 38 . .	. .	. .	. .
	August 23, P.												
18	Sun I, S.	11	8 39.07	- 0.38	-17.15	332 8 3.60	45.698	- 28.8	28.9	10 8 21.54	+64.82	+ 11 6 56.3	. .
19	Sun II, N.	11	10 48.70	- 0.38	-17.15	332 40 8.55	44.410	- 28.1	28.9	10 10 31.17	-64.81	+ 11 38 34.8	. .
20	α Ursæ Majoris	11	57 34.05	- 0.54	[-17.26]	23 20 . .	. .	. .	. .	10 57 . .	. .	. .	. .
21	Moon I	11	55 30.21	- 0.40	-17.30	311 4 . .	. .	. .	. .	12 55 12.51	+68.90	. .	. .
22	α Virginis	11	19 58.85	- 0.39	-17.32	310 26 6.00	41.338	- 3.3	28.9	13 19 . .	. .	. .	. .
23	α Ursæ Minoris s. p. . .	3	21 8.52	+ 6.70	[-17.32]	52 14 . .	. .	. .	. .	1 20 . .	. .	. .	. .
24	α² Geminorum	11	28 13.86	- 0.44	-17.51	353 8 3.08	45.412	- 6.5	29.7	7 27 . .	. .	. .	. .
25	α Canis Minoris	11	34 7.72	- 0.36	-17.58	326 32 6.40	42.264	- 35.8	28.7	7 33 . .	. .	. .	. .
26	β Geminorum	11	39 13.16	- 0.42	-17.52	349 18 5.32	44.306	- 10.2	28.0	7 38 . .	. .	. .	. .
	August 24, P.												
27	Sun I, N.	11	12 20.45	- 0.37	-17.71	332 20 12.05	42.508	- 28.0	27.7	10 12 2.37	+64.77	+ 11 18 5.6	. .
28	Sun II, S.	11	14 29.99	- 0.37	-17.71	331 48 8.45	43.845	- 28.6	27.7	10 14 11.91	-64.77	+ 10 46 24.5	. .
29	Mercury C, C.	11	41 20.69	- 0.37	-17.74	331 0 6.55	46.312	- 29.5	27.5	10 41 2.58	0.00	+ 9 59 10.5	. .
30	α Ursæ Majoris	11	57 34.67	- 0.73	[-17.69]	23 20 . .	. .	. .	. .	10 57 . .	. .	. .	. .
31	β Leonis	11	44 1.72	- 0.38	-17.75	336 10 6.38	46.839	- 23.4	27.0	11 43 . .	. .	. .	. .
32	Venus I, N.	11	4 22.65	- 0.35	-17.83	314 16 4.28	43.069	- 54.2	26.9	12 4 4.47	+ 1.55	- 6 46 17.9	. .
33	α Canum Venat.	11	51 26.82	- 0.47	-17.93	359 54 5.42	44.445	- 0.0	26.3	12 51 . .	. .	. .	. .
34	α Virginis	11	19 59.41	- 0.34	-17.93	310 26 6.95	41.102	- 1 1.9	26.6	13 19 . .	. .	. .	. .
35	α Ursæ Minoris s. p. . .	9	21 4.16	+ 12.42	[-17.87]	52 14 . .	. .	. .	. .	1 20 . .	. .	. .	. .
36	Moon I	11	50 17.20	- 0.35	-17.95	304 38 . .	. .	. .	. .	13 49 58.90	+69.67	. .	. .
	August 26, I.												
37	α Virginis	11	19 59.82	- 0.54	-18.16	310 26 5.72	41.422	- 1 2.9	30.4	13 19 . .	. .	. .	. .
38	α Ursæ Minoris s. p. . .	5	21 12.62	+ 5.98	[-18.15]	52 14 . .	. .	. .	. .	1 21 . .	. .	. .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
16 9 44	29.914	89.0	89.0	1, 7, 18, 27.	Bisections at I, II.	1	+	3.7	-15 48.9	-15 45.2
11 58	29.860	90.0	89.9	2, 8, 19, 28.	Bisections at VI, VII.	2	+	3.7	+15 48.8	+15 52.5
18 7 39	29.718	78.5	77.8	24.	Bisections at II, VI, VII.	4	+	14.4	- 20.3	- 5.9
19 9 55	29.746	81.5	80.9	33.	Bisections at I, II, VI.	7	+	3.9	+15 49.2	+15 53.1
11 8	29.736	82.0	80.9			8	+	3.8	-15 49.2	-15 45.4
12 1	29.746	82.5	80.9			9	+	2.8	. .	+ 2.8
22 7 28	30.024	75.0	76.1			14	+	15.4	- 21.4	- 6.0
23 10 10	30.000	83.5	83.2			18	+	4.1	+15 49.2	+15 53.3
13 19	29.936	87.0	86.7			19	+	4.0	-15 49.2	-15 45.2
7 34	29.826	81.5	83.1			27	+	4.0	-15 50.5	-15 46.5
24 10 14	29.784	90.5	90.2			28	+	4.1	+15 50.5	+15 54.6
10 41	29.776	91.5	91.3			29	+	3.1	. .	+ 3.1
11 44	29.748	94.0	93.6			32	+	17.1	- 23.2	- 6.1
12 4	29.746	94.5	93.7							
13 19	29.700	95.0	93.8							
26 13 50	29.892	88.2	88.1	15 to 23.	Two microscopes read.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Serpentis	11	39 26.54	- 0.50	-18.13	327 46 1.82	47.138	- 34.0	29.3	15 39 . .			
2	Moon I.	11	44 27.54	- 0.62	-18.16	295 2 . .				15 44 8.76	+71.94		
3	δ Scorpii	11	54 28.69	- 0.58	-18.16	298 44 2.70	41.515	- 1 38.3	31.3	15 54 . .			
4	β Scorpii	10	59 41.14	- 0.57	-18.21	301 32 1.80	41.876	- 1 27.9	29.0	15 59 . .			
August 27, L.													
5	ω Piscium	11	54 17.45	- 0.49	-18.35	327 18 3.95	46.890	- 35.4	23.7	23 54 . .			
6	γ Pegasi	11	8 11.85	- 0.47	-18.30	335 38 4.15	43.425	- 25.0	24.8	0 7 . .			
7	Ceti	11	25 3.16	- 0.53	-18.34	316 30 4.10	44.286	- 52.3	24.5	0 24 . .			
8	B. D. + 5°, 76	11	30 51.90	- 0.50	-18.33	326 50 2.45	41.340	- 36.1	24.8	0 30 33.07	- 3.36	+ 5 47 27.2	-22.7
9	B. D. + 5°, 86	9	34 4.14	- 0.49	-18.33	327 1 59.00	47.690	- 35.8	24.8	0 33 45.32	- 3.35	+ 6 1 25.8	-22.8
10	ϵ Piscium	11	57 51.71	- 0.49	-18.34	328 22 0.40	42.712	- 34.0	26.2	0 57 . .			
11	α Ursæ Minoris	3	21 23.00	- 2.92	-18.32	49 44 . .				1 21 . .			
August 28, L.													
12	b Ophiuchi	11	20 19.95	- 0.56	-18.80	296 58 3.92	43.974	- 1 45.3	29.8	17 20 . .			
13	α Ophiuchi	11	30 25.41	- 0.49	-18.71	333 40 5.28	43.301	- 26.7	30.1	17 30 . .			
14	Moon I, S.	11	43 19.92	- 0.60	-18.68	291 22 3.82	48.918	- 2 16.5	29.8	17 43 0.64	+72.12	- 29 39 51.4	
15	γ^2 Sagittarii	11	59 26.65	- 0.59	-18.70	290 38 4.62	43.411	- 2 22.1	29.5	17 59 . .			
16	δ Ursæ Minoris	6	6 26.88	- 3.31	-18.63	47 36 . .				18 6 . .			
17	μ^2 Sagittarii	11	7 51.53	- 0.55	-18.52	299 58 3.78	42.265	- 1 33.4	29.6	18 7 . .			
August 31, L.													
18	λ Ursæ Minoris	6	28 9.66	+ 0.26	-18.91	50 2 . .				19 27 . .			
19	κ Aquilæ	11	31 27.51	- 0.58	-18.87	313 46 . .				19 31 . .			
20	τ Aquilæ	11	59 23.40	- 0.52	-18.96	328 0 4.70	46.289	- 34.4	27.1	19 59 . .			
21	α^2 Capricorni	11	12 37.02	- 0.60	-18.90	308 10 3.55	44.579	- 1 10.0	27.9	20 12 . .			
22	π Capricorni	11	21 42.17	- 0.62	-18.91	302 30 3.08	41.911	- 1 26.4	28.1	20 21 . .			
23	ϵ Delphini	11	28 34.54	- 0.51	-18.93	331 58 3.12	45.812	- 29.4	28.1	20 28 . .			
24	Moon I, S.	11	29 48.68	- 0.66	-18.91	297 38 2.52	46.572	- 1 45.0	27.8	20 29 29.11	+66.42	- 23 24 4.2	
September 2, L.													
25	α Aquarii	11	0 47.25	- 0.34	-19.75	320 12 3.92	45.200	- 47.0	27.4	22 0 . .			
26	Moon I, S.	11	5 18.15	- 0.40	-19.88	307 0 3.55	47.108	- 1 14.7	27.8	22 4 57.87	+62.44	- 14 1 22.6	
27	θ Aquarii	11	11 41.75	- 0.37	-19.94	312 44 2.75	44.235	- 1 1.0	27.5	22 11 . .			
28	π Aquarii	11	20 18.84	- 0.34	-19.96	321 52 3.08	46.660	- 44.2	27.4	22 19 . .			
29	η Draconis s. p.	11	26 31.86	- 0.77	-19.84	64 44 . .				10 26 . .			
30	η Aquarii	11	30 21.56	- 0.34	-19.87	320 22 1.95	46.258	- 46.7	27.6	22 30 . .			
31	ζ Cephei	11	46 19.30	- 0.02	-19.29	26 40 . .				22 45 . .			
32	ι Piscium	11	34 56.76	- 0.32	-19.87	326 4 3.78	48.875	- 38.0	28.4	23 34 . .			
33	ω Piscium	11	54 18.84	- 0.32	-19.82	327 18 3.62	47.189	- 36.3	27.4	23 53 . .			
34	H. Draconis s. p. . . .	4	7 36.90	- 0.86	-19.78	62 46 . .				0 7 . .			
35	γ Pegasi	11	8 13.31	- 0.29	-19.84	335 38 2.78	43.828	- 25.6	27.9	0 7 . .			
36	Ceti	11	25 4.58	- 0.35	-19.82	316 30 3.58	44.572	- 53.6	27.8	0 24 . .			
37	B. D. + 5°, 76	11	30 53.18	- 0.32	-19.82	326 50 3.68	41.494	- 37.0	27.8	0 30 33.04	- 3.49	+ 5 47 27.5	-23.6
38	21 Cassiopeæ	11	39 7.45	+ 0.15	-19.78	35 24 . .				0 38 . .			
39	B. D. + 5°, 111	11	45 9.19	- 0.32	-19.82	327 12 2.60	42.149	- 36.5	27.8	0 44 49.05	- 3.45	+ 6 9 39.5	-23.8
40	ϵ Piscium	11	57 53.11	- 0.31	-19.80	328 22 3.08	42.798	- 34.8	28.9	0 57 . .			
September 3, L.													
41	α Aquarii	11	0 47.71	- 0.47	-20.08	320 12 4.45	45.111	- 46.6	26.6	22 0 . .			
42	θ Aquarii	11	11 42.01	- 0.52	-20.05	312 44 4.20	44.124	- 1 0.6	27.2	22 11 . .			
43	π Aquarii	11	20 19.05	- 0.46	-20.05	321 52 3.72	46.569	- 44.0	26.9	22 19 . .			
44	η Draconis s. p.	11	26 32.44	- 1.34	-19.83	64 44 . .				10 26 . .			
45	η Aquarii	11	30 21.82	- 0.47	-20.00	320 22 3.55	46.109	- 46.4	26.5	22 30 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
26 15 59	29.878	84.7	84.8	8, 9.	Bisections at II, VI.	14	+51 44.7	+15 12.8	.	+66 57.5
27 0 8	29.784	74.2	72.3	14, 24, 26.	Bisections at II, III, IV, V, VI.	24	+47 53.0	+14 50.1	.	+62 48.1
28 17 20	29.780	73.5	71.9	17, 35.	Bisections at VI, VII.	26	+42 55.6	+14 44.6	.	+57 40.2
17 43	29.774	85.9	84.8	23.	Bisections at I, II.					
18 7	29.770	85.1	83.8	28.	Bisections at I, VI, VII.					
31 19 59	29.776	84.1	83.0							
20 29	29.788	75.1	73.3							
22 5	29.830	64.9	72.0							
22 30	29.828	64.8	62.2							
23 34	29.828	64.4	61.1							
0 25	29.812	63.8	60.4							
0 57	29.814	63.2	60.2							
3 22 0	29.852	68.1	66.2							
22 30	29.848	67.8	65.3	5 to 11.	Two microscopes read.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	
1	λ Aquarii	11	47 32.59	- 0.52	-20.03	312 54 3.88	44.488	- I 0.3	27.5	22 47 . . .			
2	Moon I, N.	11	49 34.16	- 0.53	-20.04	313 2 1.12	44.392	- I 0.0	27.0	22 49 13.59	+61.20	- 7 59 54.4	
3	Moon II, S.	11	51 36.56	- 0.53	-20.04	312 32 1.58	45.778	- I 1.1	27.0	22 51 15.99	-61.20	- 8 29 42.8	
4	α Pegasi	11	59 55.79	- 0.39	-20.09	335 40 4.82	44.841	- 25.4	27.0	22 59 . . .			
5	γ Pegasi	11	8 13.60	- 0.39	-20.01	335 37 58.90	43.729	- 25.5	23.8	0 7 . . .			
6	12 Ceti	11	25 4.91	- 0.49	-20.00	316 29 59.60	44.559	- 53.4	23.6	0 24 . . .			
7	B. D. +5°, 76	11	30 53.56	- 0.44	-20.01	326 49 59.15	41.488	- 36.8	23.5	0 30 33.11	- 3.50	+ 5 47 27.3	-23.7
8	β Ceti	11	38 43.56	- 0.58	-20.09	302 27 58.75	48.014	- I 28.2	23.5	0 38 . . .			
9	B. D. +5°, 111	11	45 9.55	- 0.44	-20.01	327 12 0.05	42.132	- 36.3	23.5	0 44 49.10	- 3.47	+ 6 9 41.1	-23.9
10	δ Ceti	11	19 10.39	- 0.52	-19.94	312 17 59.10	47.410	- I 1.8	23.1	1 18 . . .			
11	α Ursæ Minoris	6	21 16.08	+10.34	[-20 02]	49 44 . . .				1 21 . . .			
September 4, L.													
12	λ Aquarii	11	47 33.19	- 0.44	-20.71	312 54 0.25	44.495	- I 0.0	22.6	22 47 . . .			
13	α Pegasi	11	59 56.40	- 0.37	-20.71	335 39 59.55	44.860	- 25.2	22.1	22 59 . . .			
14	θ Piscium	11	23 3.15	- 0.39	-20.67	326 49 59.25	44.700	- 36.5	23.0	23 22 . . .			
15	λ Draconis S. P.	9	25 32.52	- 0.50	[-20.83]	71 4 . . .				23 25 . . .			
16	Moon II, N.	11	34 43.88	- 0.43	-20.68	318 49 59.30	45.777	- 48.8	22.4	23 34 22.77	-60.82	- 2 11 21.1	
17	γ Cephei	8	35 28.02	- 0.01	[-20.90]	38 2 . . .				23 35 . . .			
18	ω Piscium	11	54 19.74	- 0.39	-20.62	327 17 59.25	47.111	- 35.9	21.7	23 53 . . .			
September 11, L.													
19	ε Ursæ Minoris S. P.	6	57 3.67	- 0.62	[-23.83]	58 46 . . .				16 56 . . .			
20	11 Orionis	11	59 0.96	- 0.40	-23.62	336 15 58.00	47.899	- 24.4	21.5	4 58 . . .			
21	β Orionis	11	9 55.96	- 0.47	-23.64	312 41 58.00	47.501	- I 0.2	21.8	5 9 . . .			
22	β Tauri	11	20 6.26	- 0.37	-23.69	349 31 57.70	45.795	- 10.2	21.9	5 19 . . .			
23	Moon II, N.	11	28 24.65	- 0.38	-23.62	349 33 57.75	45.101	- 10.2	22.0	5 28 0.65	-74.61	+ 28 33 3.3	
24	ε Orionis	11	31 19.54	- 0.45	-23.61	319 45 57.15	44.312	- 47.1	22.1	5 30 . . .			
25	α Orionis	11	49 55.69	- 0.42	-23.62	328 23 56.90	47.778	- 34.2	22.3	5 49 . . .			
26	γ Orionis	11	2 1.05	- 0.40	-23.52	335 47 57.50	45.876	- 25.0	22.2	6 1 . . .			
27	δ Ursæ Minoris S. P.	4	6 23.15	- 1.02	[-23.16]	54 22 . . .				18 5 . . .			
September 13, L.													
28	α² Geminorum	11	28 21.05	- 0.07	-24.44	353 7 54.60	45.370	- 6.8	23.4	7 27 . . .			
29	Moon II	11	37 10.43	- 0.07	-24.48	346 38 . . .				7 36 45.88	-75.22		
30	β Geminorum	11	39 20.31	- 0.07	-24.43	349 17 53.15	44.672	- 10.7	23.3	7 38 . . .			
31	ε Draconis S. P.	10	48 57.67	- 0.15	[-24.48]	70 58 . . .				19 48 . . .			
32	15 Argus	11	3 30.04	- 0.10	-24.56	297 1 54.40	47.654	- I 50.6	23.9	8 3 . . .			
September 16, P.													
33	α Hydræ	11	22 52.99	- 0.62	-25.40	312 50 3.42	43.622	- 59.5	21.8	9 22 . . .			
34	α Leonis	11	3 14.41	- 0.54	-25.47	333 30 5.82	44.726	- 27.3	23.3	10 2 . . .			
35	γ Leonis	11	14 38.75	- 0.51	-25.52	341 24 4.05	42.840	- 18.4	23.8	10 14 . . .			
September 17, P.													
36	Sun I, S.	11	39 17.59	- 0.58	-25.60	322 56 4.90	44.282	- 41.0	23.1	11 38 51.41	+64.01	+ 1 54 24.1	
37	Sun II, N.	10	41 25.62	- 0.58	-25.60	323 28 3.70	44.012	- 40.2	23.1	11 40 59.44	-64.02	+ 2 26 16.1	
38	Mercury C, C.	11	1 9.50	- 0.62	-25.70	313 18 5.80	42.510	- 57.3	23.1	13 0 43.18	+ 0.03	- 7 44 26.4	
39	η Bootis	11	50 8.87	- 0.52	-25.82	339 56 3.40	46.205	- 19.7	23.6	13 49 . . .			
40	ε Bootis	6	40 51.83	- 0.49	-25.84	348 32 3.48	44.600	- 10.9	22.8	14 40 . . .			
41	α² Libræ	9	45 32.25	- 0.66	-25.77	305 26 4.58	43.170	- I 15.5	23.1	14 45 . . .			
42	β Ursæ Minoris	11	51 25.19	- 0.27	[-25.82]	35 36 . . .				14 50 . . .			
September 20, K.													
43	μ Andromedæ	11	51 26.76	- 0.33	-27.18	358 56 4.25	47.682	- 0.9	21.4	0 50 . . .			
44	ε Piscium	7	58 0.83	- 0.39	-27.14	328 20 3.70	48.792	- 33.9	21.7	0 57 . . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.				Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°					' "	' "	"	' "
3 22 59	29.846	67.2	65.0	2.	Bisections at I, II, III.			2	+39 14.8	-14 44.6	+24 30.2
0 8	29.838	66.2	63.4		Bisections at V, VI, VII.			3	+39 34.0	+14 44.6	+54 18.6
0 45			63.2	3.				16	+35 21.2	-14 45.4	+20 35.8
1 19	29.834	65.8	62.8	12, 33, 37, 40, 44.	Bisections at VI, VII.			23	+10 9.5	-15 42.6	- 5 33.1
4 22 47	29.842	70.5	67.5	16, 23.	Bisections at II, III, IV, V, VI.			36	+ 5.3	+15 55.9	+16 1.2
23 45	29.833	69.1	66.9	28.	Bisections at I, II, VI.			37	+ 5.2	-15 56.0	-15 50.8
4 59	29.784	70.8	68.2	30.	Bisections at II, VI, VII.			38	+ 5.4		+ 5.2
5 31	29.792	70.4	68.0	36.	Bisections at I, II.						
6 2	29.794	70.2	68.1								
7 28	29.944	61.7	59.2								
8 3	29.950	62.8	61.2								
9 22	29.914	74.0	74.3								
10 3	29.864	77.0	77.2								
11 41	29.834	81.6	81.6								
13 1	29.808	84.5	83.7								
13 50	29.788	84.0	83.1	5 to 32. } Two microscopes read.							
14 45	29.774	85.5	85.1	43 to 44. }							
20 1 0	29.990	78.1	76.9	2, 3. Observed during total eclipse of the moon.							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI. CROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous corrections.
				Instru-ment.	Clock.								
1	B. D. + 5°, 167	11	14 30.67	— 0.40	—27.17	326 48 3.95	43.662	— 36.0	21.6	h 14 3.10	— 3.68	+ 5 49 29.8	—26.0
2	α Ursæ Minoris	3	21 42.90	+ 0.17	[—27.16]	49 44	..	..	..	1 21	..	..	..
3	η Piscium	11	26 23.09	— 0.38	—27.20	335 50	..	..	..	1 25	..	..	..
September 20, P.													
4	α Hydræ	8	22 55.15	— 0.50	—27.60	312 50 4.35	43.620	— 58.8	23.4	9 22	..	..	..
5	ε Leonis	11	40 23.37	— 0.49	—27.46	345 16 3.10	46.192	— 14.3	25.0	9 39	..	..	..
6	α Leonis	11	3 16.45	— 0.49	—27.50	333 30 6.05	44.814	— 27.0	25.8	10 2	..	..	..
7	γ ¹ Leonis	11	14 40.83	— 0.49	—27.55	341 24 5.00	42.904	— 18.2	26.8	10 14	..	..	..
8	Venus II, N.	11	27 7.09	— 0.50	—27.62	315 22 5.55	47.484	— 53.0	26.1	11 26 38.97	— 2.02	— 5 38 50.0	..
September 21, P.													
9	Sun I, N.	11	53 41.32	— 0.49	—27.65	321 54 5.55	46.502	— 42.0	26.4	11 53 13.18	+63.96	+ 0 53 3.0	..
10	Sun II, S.	11	55 49.23	— 0.49	—27.65	321 22 5.25	46.990	— 42.8	26.4	11 55 21.09	—63.95	+ 0 21 8.9	..
11	Mercury C, C.	11	20 30.96	— 0.50	—27.73	310 46 6.75	45.864	— 1 1.9	27.2	13 20 2.73	+ 0.04	— 10 15 29.8	..
12	α Ursæ Minoris S. P.	9	21 36.62	+ 7.31	[—27.75]	52 14	..	..	..	1 21	..	..	..
13	η Bootis	11	50 10.72	— 0.49	—27.72	339 56 4.10	46.387	— 19.5	27.9	13 49	..	..	..
14	α Bootis	11	11 21.96	— 0.49	—27.79	340 44 4.20	47.190	— 18.6	27.5	14 10	..	..	..
15	Moon I	11	20 43.33	— 0.53	—27.79	301 27	..	..	..	14 20 15.01	+71.38	..	..
16	ρ Bootis	11	27 47.92	— 0.50	—27.83	351 50 7.00	47.274	— 7.6	27.6	14 27	..	..	..
September 22, L.													
17	4 H. Draconis S. P.	8	7 45.15	— 0.54	[—28.63]	62 46	..	..	..	12 7	..	..	..
18	12 Ceti	11	25 12.97	— 0.34	—27.97	316 30 9.70	43.904	— 52.2	21.6	0 24	..	..	..
19	B. D. + 5°, 76	10	31 1.75	— 0.31	—27.95	326 50 7.65	41.009	— 36.0	21.5	0 30 33.49	— 3.74	+ 5 47 29.4	—25.5
20	β Ceti	11	38 51.55	— 0.37	—28.00	302 28 7.90	47.250	— 26.3	20.7	0 38	..	..	..
21	B. D. + 5°, 111	11	45 17.56	— 0.31	—27.95	327 12 7.80	41.604	— 35.5	21.5	0 44 49.30	— 3.73	+ 6 9 41.5	—25.6
22	ε Piscium	11	58 1.58	— 0.31	—27.95	328 22 7.45	42.300	— 34.0	22.3	0 57	..	..	..
23	β Andromedæ	11	4 23.12	— 0.25	—27.94	356 4 8.45	47.759	— 3.7	21.4	1 3	..	..	..
24	B. D. + 5°, 156	8	7 43.54	— 0.31	—27.95	327 2 7.15	51.160	— 35.7	21.5	1 7 15.28	— 3.71	+ 6 2 41.9	—26.1
25	B. D. + 5°, 167	11	14 31.30	— 0.31	—27.95	326 48 7.40	53.508	— 36.0	21.5	1 14 3.04	— 3.71	+ 5 49 28.9	—26.1
26	B. D. + 5°, 175	11	18 36.98	— 0.31	—27.95	326 36 7.05	47.298	— 36.4	21.5	1 18 8.72	— 3.70	+ 5 35 29.0	—26.2
27	α Ursæ Minoris	2	21 42.45	+ 2.47	[—27.90]	49 44	..	..	..	1 21	..	..	..
28	η Piscium	11	26 23.70	— 0.29	—27.87	335 50 8.00	44.138	— 24.8	21.3	1 25	..	..	..
September 22, P.													
29	α Leonis	11	3 17.00	— 0.32	—28.17	333 30 5.65	44.720	— 27.0	23.9	10 2	..	..	..
30	γ ¹ Leonis	11	14 41.38	— 0.31	—28.25	341 24 3.50	42.845	— 18.2	24.6	10 14	..	..	..
31	ρ Leonis	11	27 47.07	— 0.33	—28.19	330 52 4.75	44.871	— 30.0	24.2	10 27	..	..	..
32	Venus II, N.	11	23 5.45	— 0.35	—28.21	316 0 6.60	46.704	— 51.8	24.9	11 22 36.89	— 2.02	— 5 1 1.5	..
September 23, P.													
33	Sun I, S.	11	0 52.86	— 0.34	—28.22	320 36 4.25	44.422	— 44.0	25.2	12 0 24.30	+64.09	— 0 25 39.0	..
34	Sun II, N.	11	3 1.04	— 0.34	—28.22	321 8 4.75	44.225	— 43.2	25.2	12 2 32.48	—64.09	+ 0 6 16.2	..
35	α Ursæ Minoris S. P.	5	21 48.16	— 2.61	[—28.26]	52 14	..	..	..	1 21	..	..	..
36	Mercury C, C.	11	29 46.50	— 0.36	—28.23	309 36 7.10	43.645	— 1 4.3	26.1	13 29 17.91	+ 0.05	— 11 26 13.3	..
37	α Coronæ Borealis	11	30 44.58	— 0.30	—28.32	348 6 4.50	41.960	— 11.2	28.8	15 30	..	..	..
38	α Serpentis	11	39 36.05	— 0.33	—28.21	327 46 5.50	46.814	— 33.4	27.8	15 39	..	..	..
39	ε Serpentis	11	46 5.22	— 0.34	—28.18	325 50 8.60	41.344	— 36.0	27.2	15 45	..	..	..
40	δ Scorpii	11	54 38.15	— 0.38	—28.25	298 44	..	..	..	15 54	..	..	..
41	β ¹ Scorpii	11	59 50.60	— 0.38	—28.29	301 32 5.45	41.556	— 1 26.1	27.3	15 59	..	..	..
42	Moon I	10	20 33.65	— 0.41	—28.25	293 20	..	..	..	16 20 4.99	+73.42	..	..
43	α Scorpii	11	23 29.09	— 0.40	—28.23	294 52 4.00	40.255	— 1 53.8	25.9	16 23	..	..	..
September 25, P.													
44	α Leonis	11	3 17.54	— 0.24	—28.74	333 30 5.60	44.742	— 27.2	24.4	10 2	..	..	..
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d	h m	in.	°	°									
20	1 40	29.986	77.0	76.1	1, 4, 10, 34.			8	+	21.8	— 30.2	..	— 8.4
	9 22	30.052	82.0	83.4	1.			9	+	5.4	— 15 57.0	..	— 15 51.6
	10 3	30.058	86.0	86.8	9, 33.			10	+	5.5	+ 15 57.0	..	+ 16 2.5
	11 27	30.059	90.0	90.7	13.			11	+	5.8	..	— 0.3	— 5.5
21	11 55	30.059	92.0	92.3	24.			32	+	21.5	— 30.1	..	— 8.6
	13 20	30.052	94.5	93.7	36.			33	+	5.6	+ 15 57.5	..	+ 16 3.1
	14 27	30.028	95.0	94.6				34	+	5.5	— 15 57.6	..	— 15 52.1
22	0 25	29.920	78.8	76.0				36	+	6.1	..	— 0.3	+ 5.8
	1 26	..	..	74.1									
	10 3	29.980	83.5	85.0									
	10 27	29.982	86.5	87.7									
	11 23	29.980	86.5	87.6									
23	12 3	29.966	90.7	90.4									
	13 29	29.936	94.0	93.8									
	15 30	29.920	97.0	95.6									
	15 45	29.918	97.0	96.3									
	15 59	29.914	97.0	95.9									
	16 23	29.912	96.5	95.2									
25	10 3	29.832	80.0	79.1	1 to 44. Two microscopes read.								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRA- CTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.					
			m	s	s	s									°	'	''	rev.	'
1	γ^1 Leonis	11	14	41.89	- 0.22	-28.80	341 24	4.45	42.774	- 18.3	24.4	10 14 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2	δ Leonis	11	9	2.19	- 0.22	-28.85	342 8	6.80	41.251	- 17.4	25.7	11 8 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
3	Venus II, N.	11	17	40.36	- 0.28	-28.83	317 0	6.05	44.272	- 50.2	25.2	11 17 11.25	- 1.99	- 4	1	47.4	. . .	. . .	. . .
September 26, P.																			
4	Sun I, N.	11	11	41.24	- 0.27	-28.86	319 58	5.00	43.510	- 45.0	25.7	12 11 12.11	+ 64.13	- 1	3	57.2	. . .	. . .	. . .
5	Sun II, S.	11	13	49.50	- 0.27	-28.86	319 26	7.00	43.780	- 45.8	25.7	12 13 20.37	- 64.13	- 1	35	53.2	. . .	. . .	. . .
6	α Ursæ Minoris s. P.	8	21	54.42	- 6.79	-28.89	52 14	. . .	. . .	. . .	. . .	1 21 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
7	Mercury C, C.	11	43	3.79	- 0.30	-28.91	307 56	8.60	45.776	1 8.1	26.5	13 42 34.58	+ 0.05	- 13	5	35.2	. . .	. . .	. . .
8	η Bootis	11	50	11.57	- 0.23	-28.85	339 56	6.05	46.165	19.4	27.0	13 49 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
9	α Bootis	11	11	22.85	- 0.22	-28.98	340 44	. . .	. . .	. . .	. . .	14 10 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
10	ϵ Bootis	9	40	54.54	- 0.20	-28.95	348 32	5.90	44.590	10.7	26.7	14 40 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
11	α^2 Libræ	11	45	34.99	- 0.30	-28.95	305 26	4.95	43.312	1 14.4	27.0	14 45 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
September 27, K.																			
12	β Ceti	11	38	52.99	- 0.60	-29.18	302 27	58.85	47.750	- 1 29.5	18.3	0 38 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
13	32^2 H. Camelop. s. P.	8	48	46.48	- 1.13	-29.99	57 0	. . .	. . .	. . .	. . .	12 48 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
14	ϵ Piscium	11	58	2.94	- 0.43	-29.13	328 20	6.75	48.479	- 35.2	18.5	0 57 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
15	β Andromedæ	11	4	24.43	- 0.29	-29.14	356 4	5.05	47.910	- 3.9	17.8	1 3 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
16	B. D. + 5° , 156	11	7	44.97	- 0.44	-29.11	327 2	12.05	50.880	- 37.0	18.6	1 7 15.42	- 3.80	+ 6	2	43.4	-26.5	. . .	. . .
17	B. D. + 5° , 167	11	14	32.77	- 0.44	-29.11	326 50	3.45	47.390	- 37.4	18.6	1 14 3.22	- 3.79	+ 5	49	30.8	-26.6	. . .	. . .
18	B. D. + 5° , 178	11	19	29.88	- 0.44	-29.11	326 30	4.50	55.920	- 37.7	18.6	1 19 0.33	- 3.79	+ 5	35	30.1	-26.6	. . .	. . .
19	α Ursæ Minoris	4	21	44.20	+ 4.16	-29.11	49 44	. . .	. . .	. . .	. . .	1 21 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
20	η Piscium	11	26	25.08	- 0.39	-29.07	335 50	5.25	44.244	- 25.7	19.1	1 25 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
21	σ Piscium	11	40	24.15	- 0.43	-29.05	329 40	4.55	43.105	- 33.5	19.1	1 39 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
September 28, L.																			
22	π Capricorni	11	21	52.62	- 0.48	-29.79	302 30	10.65	41.065	- 1 28.5	16.6	20 21 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
23	Groenbridge 3241	11	30	57.73	+ 0.43	-29.74	33 10	. . .	. . .	. . .	. . .	20 30 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
24	μ Aquarii	11	47	33.14	- 0.42	-29.73	311 40	9.75	42.269	- 1 3.6	17.8	20 47 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
25	12 Year Cat. 1879	11	52	49.69	+ 1.04	-30.00	41 10	. . .	. . .	. . .	. . .	20 52 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
26	Moon I, S.	11	3	7.53	- 0.50	-29.74	300 28	8.95	43.181	1 36.1	17.0	21 2 37.29	+ 65.02	- 20	34	43.1	. . .	. . .	. . .
27	ι H. Draconis s. P.	11	22	42.96	- 1.79	-29.90	59 12	. . .	. . .	. . .	. . .	9 22 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
28	β Aquarii	11	26	35.67	- 0.40	-29.76	315 0	9.55	44.130	- 56.7	16.7	21 26 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
29	ϵ Aquarii	11	32	43.56	- 0.41	-29.70	312 42	9.80	45.861	1 1.4	16.7	21 32 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
30	ι_2 Ceti	11	25	14.81	- 0.39	-29.71	316 30	10.40	43.741	- 53.9	17.5	0 24 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
31	B. D. + 5° , 76	11	31	3.48	- 0.33	-29.71	326 50	10.35	40.734	- 37.2	17.8	0 30 33.44	- 3.81	+ 5	47	29.4	-26.0	. . .	. . .
32	β Ceti	11	38	53.41	- 0.48	-29.71	302 28	10.95	47.019	- 1 29.0	17.0	0 38 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
33	B. D. + 5° , 111	11	45	19.47	- 0.33	-29.71	327 4	9.90	56.350	- 36.6	17.8	0 44 49.43	- 3.81	+ 6	9	41.8	-26.3	. . .	. . .
34	32^2 H. Camelop. s. P.	9	48	47.27	- 2.36	-29.58	57 0	. . .	. . .	. . .	. . .	12 48 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
35	ϵ Piscium	11	58	3.40	- 0.32	-29.69	328 22	9.80	42.050	- 35.0	18.4	0 57 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
36	B. D. + 5° , 156	11	7	45.54	- 0.33	-29.71	326 58	9.65	53.196	- 36.8	17.8	1 7 15.50	- 3.81	+ 6	2	43.2	-26.6	. . .	. . .
37	B. D. + 5° , 167	11	14	33.15	- 0.33	-29.70	326 58	9.65	42.108	- 37.1	17.8	1 14 3.12	- 3.81	+ 5	49	29.3	-26.7	. . .	. . .
38	B. D. + 5° , 175	8	18	38.84	- 0.33	-29.70	326 32	9.70	49.175	- 37.5	17.8	1 18 8.81	- 3.81	+ 5	35	27.3	-26.7	. . .	. . .
39	B. D. + 5° , 178	8	19	30.28	- 0.33	-29.70	326 32	9.70	49.295	- 37.5	17.8	1 19 0.25	- 3.80	+ 5	35	29.6	-26.7	. . .	. . .
40	Anonymous	11	20	1.60	- 0.33	-29.70	326 32	9.70	45.405	- 37.7	17.8	1 19 31.57	+ 3.80	+ 5	24	30.5	-26.7	. . .	. . .
41	η Piscium	11	26	25.63	- 0.28	-29.72	335 50	11.30	43.872	- 25.5	18.1	1 25 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
September 30, P.																			
42	α Leonis	11	3	19.99	- 0.21	-31.12	333 30	4.22	44.544	- 28.9	18.1	10 2 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
43	γ^1 Leonis	11	14	44.29	- 0.15	-31.17	341 24	3.40	42.531	- 19.5	18.3	10 14 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
44	δ Leonis	11	9	4.55	- 0.14	-31.21	342 8	2.52	40.985	- 18.6	17.7	11 8 . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
45	Venus II, S.	11	11	0.05	- 0.31	-31.21	318 38	2.45	40.665	- 50.9	17.6	11 10 28.53	- 1.89	- 2	24	53.3	. . .	. . .	. . .
46	Venus N.	. . .	. . .	. . .	. . .	. . .	318 38	2.45	43.588	- 50.9	17.6	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.	No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d	h	m	in.	°	°			' "	' "	" "	' "		
25	11	9	29.824	84.5	84.7	4, 17, 38, 39, 44.	3	+	20.8	—	29.6	—	8.8
26	12	13	29.800	88.4	88.5	5, 10, 15, 16, 22, 40.	4	+	5.6	—15	58.0	.	—15 52.4
	13	43	29.766	91.5	91.1		5	+	5.7	+15	57.9	.	+16 3.6
	14	11	29.750	92.0	91.0	18, 33, 36, 38, 39.	7	+	6.5	.	.	.	+6 6.1
	14	40	.	.	92.2	18.	26	+	46 36.7	+14	49.1	0.4	+61 25.8
27	23	48	29.930	60.5	58.2	26.	45	+	19.4	+	28.0	.	+ 47.4
	1	0	29.932	59.2	56.8	33.	46	+	19.4	—	28.1	0.0	— 8.7
	1	36	29.936	58.6	56.0	37, 40.							
28	20	21	29.886	64.4	62.2	45.							
	21	3	29.886	62.9	60.2	46.							
	21	32	29.880	62.3	60.0								
	0	25	29.856	61.0	58.8								
	1	26	29.838	60.8	58.3								
30	10	3	30.054	51.0	51.6								
	11	11	30.074	56.5	54.3								
						1 to 41. Two microscopes read.							
						18, 33. Bright wire illumination.							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
October 1, P.													
1	Sun I, S.	11	m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
2	Sun II, N.	11	29 46.83	- 0.32	-31.80	317 30 11.50	40.830	- 52.6	17.6	12 29 15.21	+64.31	- 3 32 41.6	.
3	α Ursæ Minoris s. p.	7	31 55.45	- 0.32	-31.80	318 2 4.62	41.290	- 51.6	17.6	12 31 23.83	-64.31	- 3 0 41.0	.
4	η Bootis	11	22 6.56	-15.15	-31.38	52 14 .	.	.	.	1 21 .	.	.	.
5	Mercury C, C.	11	50 13.97	- 0.16	-31.34	339 56 3.55	45.828	- 20.9	17.3	13 49 .	.	.	.
6	α Bootis	11	3 10.33	- 0.41	-31.40	305 34 3.42	41.038	- 19.8	17.6	14 2 38.52	+ 0.07	- 15 29 13.9	.
7	ε Bootis	11	11 25.18	- 0.16	-31.40	340 44 3.32	46.672	- 19.9	16.9	14 10 .	.	.	.
		11	40 56.94	- 0.10	-31.49	348 32 3.00	44.169	- 11.6	17.2	14 40 .	.	.	.
October 1, L.													
8	λ Aquarii	11	47 43.78	- 0.28	-31.42	312 54 13.75	43.605	- 2.6	18.1	22 47 .	.	.	.
9	α Pegasi	11	0 7.15	- 0.14	-31.64	335 40 14.28	44.215	- 26.3	19.7	22 59 .	.	.	.
10	Moon I	11	18 31.50	- 0.26	-31.60	316 38 .	.	.	.	23 17 59.64	+60.97	.	.
11	θ Piscium	11	23 14.05	- 0.19	-31.64	326 50 19.00	43.753	- 38.1	20.0	23 22 .	.	.	.
12	ι Piscium	11	35 8.62	- 0.20	-31.67	326 4 8.45	48.330	- 39.2	18.9	23 34 .	.	.	.
13	γ Cephei	8	35 37.65	+ 1.10	-31.61	38 2 .	.	.	.	23 35 .	.	.	.
14	12 Ceti	11	25 16.59	- 0.26	-31.60	316 30 12.00	43.819	- 55.3	19.2	0 24 .	.	.	.
15	β Ceti	11	38 55.36	- 0.35	-31.77	302 28 10.30	47.314	- 31.3	19.9	0 38 .	.	.	.
16	ε Piscium	11	58 5.25	- 0.18	-31.65	328 22 11.35	42.088	- 35.9	19.9	0 57 .	.	.	.
17	B. D. + 5°, 156	11	7 47.43	- 0.19	-31.68	327 2 10.85	40.745	- 37.8	19.4	1 7 15.56	- 3.83	+ 6 2 43.0	-26.7
18	B. D. + 5°, 175	8	18 40.81	- 0.20	-31.68	326 36 10.45	46.998	- 38.4	19.4	1 18 8.93	- 3.83	+ 5 35 28.5	-26.8
19	Anonymous	6	20 3.43	- 0.20	-31.68	326 20 9.70	52.770	- 38.7	19.4	1 19 31.55	- 3.83	+ 5 24 30.8	-26.9
20	α Ursæ Minoris	3	21 38.53	+13.30	-31.69	49 44 .	.	.	.	1 21 .	.	.	.
21	η Piscium	11	26 27.45	- 0.14	-31.64	335 50 8.00	44.187	- 26.2	19.2	1 25 .	.	.	.
October 1, P.													
22	α Leonis	11	3 20.75	- 0.12	-31.95	333 30 6.35	44.406	- 28.8	17.8	10 2 .	.	.	.
23	γ ¹ Leonis	11	14 45.14	- 0.06	-32.09	341 24 2.25	42.540	- 19.3	17.7	10 14 .	.	.	.
24	ρ Leonis	11	27 50.75	- 0.14	-31.91	330 52 3.92	44.582	- 32.0	16.7	10 27 .	.	.	.
25	Venus II, S.	11	10 4.98	- 0.22	-32.00	318 56 4.95	42.080	- 49.7	18.2	11 9 32.76	- 1.87	- 2 6 23.0	.
26	Venus, N.	.	.	.	.	318 56 4.95	45.008	- 49.6	18.2	.	.	- 2 5 26.8	.
October 2, P.													
27	Sun I, N.	11	33 25.21	- 0.23	-32.02	317 38 0.48	43.642	- 51.6	19.3	12 32 52.96	+64.32	- 3 23 58.3	.
28	Sun II, S.	11	35 33.85	- 0.23	-32.02	317 6 4.32	45.615	- 52.5	19.3	12 35 1.60	-64.32	- 3 56 0.3	.
29	α Ursæ Minoris s. p.	8	22 14.44	-22.14	-32.05	52 14 .	.	.	.	1 21 .	.	.	.
30	η Bootis	11	50 14.52	- 0.07	-31.98	339 56 4.45	45.938	- 20.5	20.9	13 49 .	.	.	.
31	Mercury C, C.	11	6 47.64	- 0.31	-32.05	305 8 4.30	44.899	- 19.8	20.6	14 6 15.28	+ 0.08	- 15 54 2.0	.
32	α Bootis	11	11 25.75	- 0.06	-32.08	340 44 3.45	46.818	- 19.6	20.2	14 10 .	.	.	.
33	ρ Bootis	11	27 51.54	+ 0.04	-32.10	351 50 5.82	46.894	- 8.0	20.8	14 27 .	.	.	.
October 2, K.													
34	β Ceti	11	38 55.77	- 0.46	-32.06	302 28 5.68	47.519	- 30.1	20.5	0 38 .	.	.	.
35	ε Piscium	11	58 5.85	- 0.28	-32.14	328 20 12.40	48.369	- 35.6	21.4	0 57 .	.	.	.
36	β Andromedæ	11	4 27.23	- 0.05	-32.12	356 4 4.85	48.095	- 3.9	21.6	1 3 .	.	.	.
37	B. D. + 5°, 175	7	18 41.21	- 0.29	-32.10	326 36 3.82	47.465	- 38.2	21.6	1 18 8.82	- 3.84	+ 5 35 28.5	-26.9
38	B. D. + 5°, 178	7	19 32.72	- 0.29	-32.10	326 36 3.82	47.590	- 38.2	21.6	1 19 0.33	- 3.84	+ 5 35 31.2	-26.9
39	B. D. + 4°, 247	4	20 9.74	- 0.29	-32.10	326 14 3.98	40.030	- 38.8	21.6	1 19 37.35	- 3.84	+ 5 11 2.1	-26.9
40	α Ursæ Minoris	3	21 35.30	+17.16	-32.09	49 44 .	.	.	.	1 21 .	.	.	.
41	η Piscium	11	26 27.97	- 0.22	-32.07	335 50 14.30	44.112	- 26.0	23.1	1 25 .	.	.	.
October 2, P.													
42	γ ¹ Leonis	11	14 45.86	- 0.24	-32.61	341 24 3.18	42.650	- 19.1	21.1	10 14 .	.	.	.
43	ρ Leonis	6	27 51.54	- 0.30	-32.52	330 52 2.90	44.735	- 31.5	19.9	10 27 .	.	.	.
44	Venus II, S.	11	9 18.91	- 0.36	-32.63	319 14 3.80	42.141	- 48.4	20.3	11 8 45.92	- 1.85	- 1 48 23.8	.
45	β Leonis	11	44 16.74	- 0.27	-32.68	336 10 6.02	46.361	- 24.7	20.7	11 43 .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°						/ "	/ "	"	/ "
1	12 31	30.060	58.5	57.3	1, 18, 27, 38.				1	+	5.9	+16 0.3	+16 6.2
	13 50	30.038	60.0	58.4	2, 28, 41.				2	+	5.9	-16 0.3	-15 54.4
	14 11	30.034	61.0	59.1	11, 21.				5	+	7.2	.	+ 6.7
	14 40	30.030	61.5	59.3	17, 19.				25	+	19.1	+ 28.1	+ 47.2
	22 47	30.080	52.3	50.4	19.				26	+	19.1	- 28.2	- 9.0
	23 35	30.076	52.2	49.4	25.				27	+	5.9	-16 1.0	-15 55.1
	0 25	30.072	51.5	49.8	26.				28	+	6.0	+16 0.9	+16 6.9
	1 26	30.060	50.9	48.8	37.				31	+	7.3	.	+ 6.8
	10 3	30.080	52.5	55.2	39.				44	+	18.7	+ 27.8	+ 46.5
	10 27	30.066	58.0	58.4	43.								
	11 10	30.066	62.5	61.3									
	12 35	30.060	64.6	64.6									
	13 50	30.038	67.0	66.3									
	14 27	30.024	68.0	67.3									
	0 35	29.910	55.0	54.0									
	1 30	29.912	51.0	49.2									
	10 14	29.936	57.5	61.0									
	11 9	29.948	65.5	66.2									
39. Bright wire illumination.													

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
	October 3, P.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, S.	11	37 3.53	- 0.37	-32.73	316 42 3.00	46.058	- 52.6	20.3	12 36 30.43	+64.41	- 4 19 12.5	. .
2	Sun II, N.	11	39 12.34	- 0.37	-32.73	317 14 2.98	46.172	- 51.7	20.3	12 38 39.24	-64.40	- 3 47 11.8	. .
3	α Ursæ Minoris S. P.	7	22 4.04	-10.69	[-32.85]	52 14 . .	. .	. .	. .	1 21 . .	. .	. .	. .
4	η Bootis	11	50 15.52	- 0.25	-32.80	339 56 3.22	45.956	- 20.3	20.3	13 49 . .	. .	. .	. .
5	Mercury C, C.	11	10 15.49	- 0.44	-32.84	304 44 3.60	46.945	- 1 20.1	20.3	14 9 42.21	+ 0.08	- 16 17 23.5	. .
6	ρ Bootis	10	27 52.53	- 0.18	-32.87	351 50 5.12	46.846	- 7.9	19.6	14 27 . .	. .	. .	. .
7	ε Bootis	11	40 58.42	- 0.20	-32.89	348 32 3.50	44.256	- 11.2	20.2	14 40 . .	. .	. .	. .
	October 3, L.												
8	12 Ceti	9	25 18.22	- 0.31	-33.16	316 30 15.88	43.472	- 54.2	17.5	0 24 . .	. .	. .	. .
9	β Ceti	11	38 56.76	- 0.40	-33.11	302 28 1.02	47.620	- 1 29.5	18.5	0 38 . .	. .	. .	. .
10	Moon II, N.	11	47 27.22	- 0.23	-33.16	328 40 7.68	40.737	- 34.8	18.2	0 46 53.83	-61.92	+ 7 37 28.7	. .
11	ε Piscium	11	58 6.77	- 0.23	-33.10	328 22 3.70	42.422	- 35.2	19.0	0 57 . .	. .	. .	. .
12	β Andromedæ	11	4 28.29	+ 0.01	-33.23	356 4 0.90	48.126	- 3.9	18.1	1 3 . .	. .	. .	. .
13	Anonymous	6	20 4.92	- 0.24	-33.16	326 20 2.10	52.932	- 38.0	18.2	1 19 31.52	- 3.84	+ 5 24 30.9	-26.9
14	B. D. + 4°, 247	4	20 11.00	- 0.24	-33.16	326 20 2.10	41.175	- 38.3	18.2	1 19 37.60	- 3.84	+ 5 11. 0.5	-26.9
15	α Ursæ Minoris	3	21 33.73	+20.13	[-33.21]	49 44 . .	. .	. .	. .	1 21 . .	. .	. .	. .
16	η Piscium	11	26 29.04	- 0.17	-33.18	335 50 7.90	44.076	- 25.7	17.9	1 25 . .	. .	. .	. .
	October 3, P.												
17	Venus II, S.	11	8 41.69	- 0.31	-33.47	319 30 3.95	46.101	- 48.3	15.8	11 8 7.91	- 1.83	- 1 31 3.1	. .
18	β Leonis	11	44 17.53	- 0.22	-33.51	336 10 4.88	46.209	- 24.8	16.7	11 43 . .	. .	. .	. .
	October 4, P.												
19	Sun I, N.	11	40 42.40	- 0.32	-33.57	316 52 2.55	42.225	- 52.5	18.1	12 40 8.51	+64.44	- 4 10 24.2	. .
20	Sun II, S.	11	42 51.28	- 0.32	-33.57	316 20 5.75	42.165	- 53.5	18.1	12 42 17.39	-64.44	- 4 42 25.5	. .
21	α Ursæ Minoris S. P.	8	22 9.20	-14.74	[-33.66]	52 14 . .	. .	. .	. .	1 21 . .	. .	. .	. .
22	η Bootis	11	50 16.29	- 0.20	-33.62	339 56 2.42	46.006	- 20.4	20.6	13 49 . .	. .	. .	. .
23	Mercury C, C.	11	13 32.14	- 0.39	-33.66	304 24 2.52	41.698	- 1 21.6	20.5	14 12 58.09	+ 0.08	- 16 39 7.1	. .
24	ρ Bootis	11	27 53.26	- 0.11	-33.68	351 50 4.85	46.885	- 8.0	20.2	14 27 . .	. .	. .	. .
25	ε Bootis	11	40 59.15	- 0.14	-33.69	348 32 3.58	44.282	- 11.3	20.9	14 40 . .	. .	. .	. .
26	γ Leonis	11	14 47.69	- 0.21	-34.42	341 24 2.55	42.602	- 19.1	19.8	10 14 . .	. .	. .	. .
27	Venus II, S.	11	8 14.11	- 0.33	-34.40	319 48 4.10	41.982	- 47.9	19.2	11 7 39.38	- 1.80	- 1 14 25.0	. .
28	β Leonis	10	44 18.42	- 0.24	-34.37	336 10 4.85	46.370	- 24.9	18.2	11 43 . .	. .	. .	. .
	October 5, P.												
29	Sun I, S.	11	44 21.62	- 0.35	-34.46	315 56 1.35	45.282	- 54.4	19.2	12 43 46.81	+64.55	- 5 5 29.7	. .
30	Sun II, N.	11	46 30.73	- 0.35	-34.47	316 28 4.15	45.252	- 53.4	19.2	12 45 55.91	-64.55	- 4 33 28.9	. .
31	α Ursæ Minoris S. P.	11	22 5.39	- 9.72	[-34.54]	52 14 . .	. .	. .	. .	1 21 . .	. .	. .	. .
32	η Bootis	11	50 17.19	- 0.22	-34.50	339 56 2.70	45.924	- 20.4	19.5	13 49 . .	. .	. .	. .
33	α Bootis	11	10 28.35	- 0.22	-34.53	340 44 1.95	46.808	- 19.5	19.2	14 10 . .	. .	. .	. .
34	Mercury C, C.	11	16 37.07	- 0.42	-34.53	304 4 2.85	41.498	- 1 22.6	19.2	14 16 2.12	+ 0.09	- 16 59 10.0	. .
	October 5, L.												
35	α Ursæ Minoris	4	21 35.12	+20.96	[-34.77]	49 44 . .	. .	. .	. .	1 21 . .	. .	. .	. .
36	η Piscium	7	26 30.61	- 0.11	-34.78	335 50 9.25	44.102	- 25.5	18.1	1 25 . .	. .	. .	. .
37	β Arietis	11	49 29.11	- 0.07	-34.79	341 18 4.92	48.241	- 19.2	17.5	1 48 . .	. .	. .	. .
38	α Arietis	11	1 54.05	- 0.05	-34.83	344 0 6.68	42.622	- 16.3	18.2	2 1 . .	. .	. .	. .
39	ξ Ceti	11	8 4.85	- 0.15	-34.81	329 22 1.72	47.928	- 33.7	19.1	2 7 . .	. .	. .	. .
40	Moon II, N.	11	21 15.85	- 0.08	-34.80	339 28 3.65	45.645	- 21.3	18.4	2 20 40.97	-65.77	+ 18 27 12.2	. .
41	γ Ceti	11	38 30.31	- 0.19	-34.78	323 50 3.75	43.076	- 41.7	19.0	2 37 . .	. .	. .	. .
	October 9, L.												
42	Venus II, S.	11	8 11.47	- 0.20	-38.14	320 58 4.72	45.382	- 47.9	18.8	11 7 33.13	- 1.69	- 0 3 17.1	. .
43	δ Leonis	11	9 11.63	- 0.10	-38.17	342 8 0.92	41.295	- 19.0	20.0	11 8 . .	. .	. .	. .
44	β Leonis	11	44 22.18	- 0.13	-38.17	336 10 6.52	46.229	- 25.8	18.7	11 43 . .	. .	. .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
3 12 39	29.954	69.0	68.9	1, 13, 19, 29, 42.	Bisections at I, II.	1	+ 6.0	+16 0.3	. .	+16 6.3
13 50	29.936	69.0	70.2	2, 20, 28, 30, 36, 43.	Bisections at VI, VII.	2	+ 6.0	-16 0.4	. .	-15 54.4
14 10	29.934	70.5	70.4	10, 40.	Bisections at III, IV, V.	5	+ 7.5	. .	0.6	+ 6.9
14 40	29.924	71.5	71.0	13.	Z. D. thread A used.	10	+28 6.7	-14 52.6	. .	+13 14.1
0 25	29.916	60.5	57.0	14.	Bisection at VII, Z. D. thread C used.	17	+ 18.4	+ 27.4	. .	+ 45.8
1 26	29.912	58.2	56.0	35.	Bisections at II, VI, VII.	19	+ 6.0	-16 0.6	. .	-15 54.6
11 8	29.954	64.5	62.9			20	+ 6.1	+16 0.6	. .	+16 6.7
11 44	29.944	65.0	65.2			23	+ 7.7	. .	0.6	+ 7.1
12 42	29.932	67.0	67.0			27	+ 18.0	+ 27.1	. .	+ 45.1
13 50	29.914	68.0	68.7			29	+ 6.1	-16 0.4	. .	+16 6.5
14 13	29.904	68.5	67.4			30	+ 6.1	-16 0.4	. .	-15 54.3
14 27	29.902	69.0	68.0			34	+ 7.9	. .	0.6	+ 7.3
14 40	29.900	69.0	68.0			40	+19 6.2	-15 4.1	. .	+ 4 2.1
10 14	29.816	57.0	57.4			42	+ 16.5	25.4	. .	+ 41.9
11 8	29.818	61.5	59.2							
11 44	29.808	62.5	61.2							
12 46	29.784	63.5	62.8							
13 50	29.746	65.0	64.3							
14 10	29.738	65.5	64.3							
1 26			55.1							
2 30	29.642	55.8	53.4							
9 11 9	30.200	47.0	45.7							
11 44	30.008	50.2	46.4	14. Bright wire illumination.						

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.								
			m s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	October 10, L.											
2	Sun I, N.	11	2 43.71	-0.24	-38.31	314 34 1.72	43.825	- 59.3	18.8	13 2 5.16	+64.92	- 6 28 1.8
3	Sun II, S.	11	4 53.55	-0.24	-38.31	314 2 2.45	43.392	- 1 0.4	18.8	13 4 15.00	-64.92	- 7 0 12.8
4	α Ursæ Minoris s. p.	8	22 10.19	-9.08	[-38.47]	52 14 . .	. .	. .	. .	1 21 . .	. .	. .
5	α Bootis	11	11 32.13	-0.10	-38.44	340 44 3.05	46.706	- 20.3	18.4	14 10 . .	. .	. .
6	Mercury C, C.	11	28 10.43	-0.30	-38.44	302 54 2.80	43.716	- 1 29.8	18.8	14 27 31.69	+ 0.12	- 18 8 34.4
7	ε Bootis	10	41 3.86	-0.06	-38.51	348 32 3.15	44.115	- 11.8	18.0	14 40 . .	. .	. .
8	α Coronæ Borealis	11	30 54.30	-0.06	-38.49	348 6 2.75	41.450	- 12.2	18.9	15 30 . .	. .	. .
9	α Serpentis	11	39 46.00	-0.17	-38.50	327 46 0.70	46.702	- 36.6	19.0	15 39 . .	. .	. .
10	October 13, L.											
11	δ Leonis	11	9 14.29	-0.29	-40.57	342 8 3.18	41.031	- 18.2	20.4	11 8 . .	. .	. .
12	Venus II, S.	11	10 47.42	-0.37	-40.69	321 40 5.58	41.155	- 44.8	19.6	11 10 6.36	- 1.59	+ 0 37 21.5
13	β Leonis	11	44 25.02	-0.31	-40.76	336 10 5.85	46.212	- 24.9	19.3	11 43 . .	. .	. .
14	α Canum Venat.	11	51 49.40	-0.22	-40.84	359 54 2.75	43.651	0.0	19.8	12 51 . .	. .	. .
15	October 14, L.											
16	Sun I, S.	11	17 33.32	-0.41	-40.78	312 32 0.88	42.990	- 1 1.3	19.6	13 16 52.13	+65.17	- 8 30 21.4
17	Sun II, S.	10	19 43.67	-0.41	-40.78	312 48 . .	. .	. .	. .	13 19 2.48	-65.18	. .
18	α Ursæ Minoris s. p.	5	22 7.83	-4.07	[-40.85]	52 14 . .	. .	. .	. .	1 21 . .	. .	. .
19	α Bootis	11	11 34.70	-0.30	-40.82	340 44 3.30	46.641	- 19.6	18.8	14 10 . .	. .	. .
20	Mercury C, C.	11	31 6.42	-0.46	-40.83	302 46 2.02	45.640	- 1 27.1	19.6	14 30 25.13	+ 0.15	- 18 15 57.7
21	ε Bootis	11	41 6.41	-0.27	-40.88	348 32 3.75	44.069	- 11.4	18.9	14 40 . .	. .	. .
22	β Bootis	11	58 41.32	-0.22	-40.84	1 50 5.85	41.114	+ 1.9	19.9	14 58 . .	. .	. .
23	α Coronæ Borealis	11	30 56.85	-0.27	-40.88	348 6 4.12	41.362	- 11.8	19.8	15 30 . .	. .	. .
24	α Serpentis	11	39 48.48	-0.34	-40.85	327 46 2.42	46.678	- 35.4	20.0	15 39 . .	. .	. .
25	October 15, L.											
26	δ Leonis	11	9 15.30	-0.26	-41.57	342 8 0.40	41.161	- 18.6	20.2	11 8 . .	. .	. .
27	Venus II, S.	11	12 53.66	-0.39	-41.55	321 54 4.18	43.069	- 45.3	19.7	11 12 11.72	- 1.54	+ 0 51 58.0
28	β Leonis	11	44 25.75	-0.30	-41.46	336 10 4.22	46.320	- 25.4	19.6	11 43 . .	. .	. .
29	α Canum Venat.	9	51 50.26	-0.14	-41.76	359 54 5.12	43.460	0.0	18.5	12 51 . .	. .	. .
30	α Ursæ Minoris s. p.	5	22 15.12	-10.50	[-41.66]	52 14 . .	. .	. .	. .	1 21 . .	. .	. .
31	October 16, L.											
32	Sun I, N.	4	25 0.83	-0.45	-41.70	312 20 5.78	41.870	- 1 2.1	19.7	13 24 18.68	+65.44	- 8 42 40.2
33	Sun II, S.	11	27 11.72	-0.45	-41.70	311 58 2.65	30.530	- 1 3.2	19.7	13 26 29.57	-65.45	- 9 14 48.7
34	ε Bootis	11	41 7.26	-0.22	-41.78	348 32 7.05	43.894	- 11.4	19.3	14 40 . .	. .	. .
35	β Bootis	11	58 42.25	-0.12	-41.89	1 50 6.35	41.061	+ 1.9	19.9	14 58 . .	. .	. .
36	α Coronæ Borealis	11	30 57.77	-0.22	-41.86	348 6 6.10	41.259	- 11.8	20.2	15 30 . .	. .	. .
37	α Serpentis	11	39 49.38	-0.35	-41.75	327 46 4.42	46.468	- 35.3	20.0	15 39 . .	. .	. .
38	October 17, L.											
39	δ Leonis	11	9 16.57	-0.18	-42.88	342 8 2.48	41.020	- 18.7	19.8	11 8 . .	. .	. .
40	Venus II, S.	11	15 30.41	-0.28	-42.88	322 4 2.25	45.788	- 45.3	19.3	11 14 47.25	- 1.50	+ 1 2 48.7
41	β Leonis	10	44 27.14	-0.21	-42.91	336 10 2.30	46.434	- 25.5	20.1	11 43 . .	. .	. .
42	α Ursæ Minoris s. p.	8	22 14.20	-8.18	[-42.87]	52 14 . .	. .	. .	. .	1 21 . .	. .	. .
43	October 18, L.											
44	Sun I, S.	11	32 31.65	-0.34	-43.09	311 2 3.05	48.102	- 1 5.6	19.3	13 31 48.22	+65.52	- 9 58 45.2
45	Sun II, N.	11	34 42.69	-0.34	-43.09	311 34 5.12	48.720	- 1 4.3	19.3	13 33 59.26	-65.52	- 9 26 32.4
46	α Bootis	11	11 36.86	-0.19	-43.08	340 44 0.02	46.781	- 19.9	18.8	14 10 . .	. .	. .
47	Mercury C, C.	11	26 24.56	-0.39	-43.17	303 37 57.38	45.385	- 1 25.4	19.3	14 25 41.00	+ 0.18	- 17 24 3.5
48	ε Bootis	11	41 8.62	-0.15	-43.21	348 32 4.80	43.948	- 11.5	18.4	14 40 . .	. .	. .
49	β Bootis	11	58 43.52	-0.07	-43.22	1 50 3.00	41.197	+ 1.9	19.1	14 58 . .	. .	. .
50	α Libræ	11	12 6.53	-0.34	-43.23	312 2 5.45	44.278	- 1 2.9	20.1	15 11 . .	. .	. .
51	α Coronæ Borealis	11	30 59.15	-0.15	-43.33	348 6 6.52	41.160	- 11.9	19.0	15 30 . .	. .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ "	/ "	"	/ "
10 13 4	30.190	53.2	59.4	1, 13, 37.	Bisections at I, II.	1	+	6.3	-16 5.5	-15 59.2
14 11	30.164	54.3	51.3	2, 10, 21, 38.	Bisections at VI, VII.	2	+	6.3	+16 5.5	+16 11.8
14 41	30.152	54.6	51.4	17.	Bisection at VI.	5	+	8.8	. .	+ 8.0
15 39	30.150	55.0	53.2	25, 42.	Bisections at II, VI, VII.	10	+	15.3	+ 24.0	+ 39.3
13 11 9	29.806	59.9	60.2	27.	Bisection at IV.	13	+	6.5	+16 5.5	+16 12.0
11 44 0	29.818	61.1	61.7	28.	Bisection at VII. Z. D. thread C used.	17	+	9.6	. .	+ 8.5
13 19	29.834	61.0	63.2	40.	Bisections at I, VI.	23	+	14.8	+ 23.3	+ 38.1
13 11	29.832	65.1	63.6			27	+	6.5	-16 4.2	-15 57.7
14 41	29.832	61.1	61.1			28	+	6.6	+16 4.2	+16 10.8
14 58	29.832	66.1	63.8			34	+	14.2	+ 22.5	+ 36.7
15 39	29.830	66.5	63.2			37	+	6.7	+16 6.3	+16 13.0
11 9	29.750	50.8	49.1			40	+	10.3	. .	-15 59.8
11 44	29.734	53.4	50.8						- 1.4	+ 8.9
12 51	29.692	56.8	55.1							
13 27	29.674	58.4	58.2							
14 41	29.668	60.8	58.4							
14 58	29.586	61.1	59.5							
15 39	29.570	61.2	60.5							
11 9	30.046	50.0	50.4							
11 44	30.054	53.1	53.3							
13 34	30.032	59.4	58.9							
14 11	30.026	61.1	60.5							
14 26	30.022	62.0	60.4							
14 41	30.018	62.2	60.9							
15 12	30.004	62.9	62.0							
15 30	30.000	63.1	62.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			s	s	Instru- ment.	Clock.								
			m	s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	δ Leonis	11	9	17.35	- 0.22	-43.59	342 8 4.80	40.914	- 18.4	21.6	11 8 . .			
2	Venus II, S.	11	16	59.46	- 0.31	-43.66	322 8 4.32	45.652	- 44.3	21.1	11 16 15.49	- 1.48	+ 1 6 47.3	
3	β Leonis	11	44	27.95	- 0.24	-43.67	336 10 4.75	46.308	- 25.0	20.9	11 43 . .			
4	α Canum Venat. . . .	11	51	52.39	- 0.14	-43.85	359 54 5.60	43.419	0.0	19.7	12 51 . .			
5	α Ursæ Minoris s. p. October 19, L.	9	22	12.70	- 5.71	[-43.70]	52 14 . .				1 21 . .			
6	Sun I, N.	11	36	18.00	- 0.36	-43.81	311 14 1.10	43.210	- 1 3.4	19.6	13 35 33.83	+ 65.61	- 9 48 19.0	
7	Sun II, S.	11	38	29.22	- 0.36	-43.81	310 42 2.10	42.775	- 1 4.7	19.6	13 37 45.05	- 65.61	- 10 20 30.1	
8	α Bootis	11	11	37.71	- 0.22	-43.90	340 44 4.20	46.512	- 19.3	18.7	14 10 . .			
9	Mercury C, C. . . .	7	23	55.48	- 0.40	-43.86	304 2 2.92	44.465	- 1 21.7	19.1	14 23 11.22	+ 0.18	- 17 0 12.2	
10	ε Bootis	11	41	9.29	- 0.19	-43.84	348 32 3.78	44.025	- 11.2	19.5	14 40 . .			
11	β Libræ	11	12	7.23	- 0.36	-43.91	312 2 4.05	44.156	- 1 1.1	18.1	15 11 . .			
12	α Serpentis.	11	39	51.45	- 0.28	-43.90	327 46 5.18	46.306	- 34.6	18.6	15 39 . .			
	October 20, L.													
13	δ Leonis	11	9	18.82	- 0.07	-45.17	342 8 1.62	41.074	- 18.7	20.6	11 8 . .			
14	Venus II, S.	11	20	17.40	- 0.18	-45.25	322 14 1.05	43.579	- 45.0	19.8	11 19 31.97	- 1.43	+ 1 12 4.9	
15	β Leonis	11	44	23.45	- 0.10	-45.27	336 9 59.95	46.560	- 25.6	20.7	11 43 . .			
16	α Canum Venat. . . .	11	51	53.78	+ 0.05	-45.41	359 53 59.60	43.730	- 0.0	20.3	12 51 . .			
17	α Ursæ Minoris s. p. October 21, L.	7	22	20.34	- 11.44	[-45.32]	52 14 . .				1 21 . .			
18	Sun I, S.	11	43	52.08	- 0.25	-45.38	309 57 59.80	45.758	- 1 8.8	19.8	13 43 6.45	+ 65.90	- 11 3 37.1	
19	Sun II, N.	11	46	3.88	- 0.25	-45.38	310 29 59.08	46.842	- 1 7.5	19.8	13 45 18.25	- 65.90	- 10 31 18.1	
20	α Bootis	11	11	39.14	- 0.08	-45.46	340 43 59.72	46.862	- 20.1	20.5	14 10 . .			
21	ε Bootis	11	41	10.82	- 0.03	-45.53	348 32 3.50	44.038	- 11.7	19.3	14 40 . .			
22	α Coronæ Borealis . .	11	31	1.06	- 0.04	-45.36	348 6 3.38	41.278	- 12.1	17.9	15 30 . .			
23	α Serpentis.	11	39	52.80	- 0.15	-45.39	327 46 1.42	46.687	- 36.4	20.0	15 39 . .			
24	δ Ophiuchi.	8	9	38.02	- 0.20	-45.55	317 36 1.65	44.965	- 52.6	19.5	16 8 . .			
25	α Scorpii.	11	23	46.05	- 0.35	-45.57	294 51 49.18	41.305	- 2 3.7	19.9	16 23 . .			
26	Moon I.	10	54	17.61	- 0.38	-45.54	292 26 . .				16 53 31.69	+ 74.31		
27	α ¹ Herculis	11	10	38.75	- 0.11	-45.48	335 32 0.85	44.150	- 26.2	19.6	17 9 . .			
28	δ Leonis	11	9	19.65	- 0.13	-45.91	342 8 2.62	41.011	- 18.8	20.5	11 8 . .			
29	Venus II, S.	11	22	5.89	- 0.23	-45.87	322 16 1.58	41.350	- 45.1	20.1	11 21 19.79	- 1.40	+ 1 13 22.2	
30	β Leonis	11	44	30.06	- 0.16	-45.80	336 10 1.35	46.434	- 25.6	20.0	11 43 . .			
31	α Canum Venat. . . .	11	51	54.56	- 0.04	-46.09	359 54 2.05	43.550	0.0	19.1	12 51 . .			
32	α Virginis	11	20	27.40	- 0.29	-46.00	310 26 3.08	41.280	- 1 6.7	20.5	13 19 . .			
33	α Ursæ Minoris s. p. October 22, L.	8	22	17.78	- 7.76	[-46.34]	52 14 . .				1 21 . .			
34	Sun I, N.	11	47	40.42	- 0.29	-46.08	310 8 2.95	48.538	- 1 7.1	20.1	13 46 54.05	+ 65.98	- 10 52 39.2	
35	Sun II, S.	11	49	52.38	- 0.29	-46.08	309 36 3.30	47.985	- 1 8.4	20.1	13 49 6.01	- 65.98	- 11 24 53.2	
36	α Bootis	11	11	39.89	- 0.14	-46.14	340 44 3.68	46.605	- 19.7	20.2	14 10 . .			
37	ε Bootis	11	41	11.56	- 0.10	-46.21	348 32 3.92	44.026	- 11.4	20.1	14 40 . .			
38	α Coronæ Borealis . .	11	31	1.96	- 0.10	-46.21	348 6 5.95	41.082	- 11.8	17.8	15 30 . .			
39	α Serpentis.	11	39	53.65	- 0.20	-46.19	327 46 4.32	46.369	- 35.3	18.6	15 39 . .			
40	α ¹ Herculis	11	10	39.54	- 0.16	-46.23	335 32 2.92	43.938	- 25.4	18.6	17 9 . .			
41	δ Ophiuchi.	11	30	51.75	- 0.17	-46.27	333 40 2.68	42.846	- 27.6	18.8	17 30 . .			
42	μ Herculis	11	43	8.65	- 0.10	-46.31	348 48 3.55	44.451	- 11.0	18.9	17 42 . .			
43	Moon I.	11	56	39.65	- 0.41	-46.32	291 50 . .				17 55 52.92	+ 73.47		
44	δ Ursæ Minoris. . . .	2	6	25.38	+ 2.69	[-46.49]	47 36 . .				18 5 . .			
45	μ ¹ Sagittarii.	11	8	18.34	- 0.35	-46.41	299 58 0.90	41.940	- 1 36.5	18.8	18 7 . .			
46	δ Leonis	11	9	20.44	- 0.16	-46.65	342 8 1.60	40.998	- 18.6	19.6	11 8 . .			
47	Venus II, S.	11	24	0.60	- 0.26	-46.69	322 16 1.28	42.585	- 44.7	19.3	11 23 13.65	- 1.38	+ 1 13 47.0	
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.		
d	h m	in.	°	°					' "	' "	"	' "		
18	11 9	29.748	53.9	55.0	6, 18, 34.	Bisections at I, II.	2	+	14.0	+ 22.2		+ 36.2		
	11 44	29.732	56.4	57.3			6	+	6.6	- 16 5.5		- 15 58.9		
19	13 38	29.662	64.3	66.2	7, 19, 35.	Bisections at VI, VII.	7	+	6.7	+ 16 5.5		+ 16 12.2		
	14 11	29.634	65.5	67.9	9, 36, 45.	Bisections at II, VI.	9	+	10.4		- 1.5	+ 8.9		
	14 41	29.612	67.1	68.9	22, 23, 31.	Bisections at II, VI, VII.	14	+	13.5	+ 21.5		+ 35.0		
	15 12	29.600	68.8	70.1			18	+	6.8	+ 16 9.4		+ 16 16.2		
	15 39	29.592	71.4	71.3			19	+	6.7	- 16 9.5		- 16 2.8		
20	11 9	29.796	47.1	47.2			29	+	13.3	+ 21.1		+ 34.4		
	11 44	29.820	49.3	48.6			34	+	6.8	- 16 7.0		- 16 0.2		
21	13 46	29.852	52.5	50.6			35	+	6.8	+ 16 7.0		+ 16 13.8		
	14 11	29.858	53.2	51.0			47	+	13.1	+ 20.8		+ 33.9		
	14 41	29.862	53.5	51.2										
	15 31			51.3										
	15 40	29.858	54.6	51.3										
	16 23	29.874	55.2	52.2										
	17 10	29.872	55.2	52.4										
	11 9	29.890	45.2	46.1										
	11 44	29.896	47.0	48.8										
	12 51	29.894	54.2	56.0										
	13 20	29.872	57.2	58.6										
22	13 50	29.866	59.3	60.5										
	14 14			61.8										
	14 41	29.838	61.0	62.8										
	15 39	29.830	66.3	66.1										
	17 10	29.798	68.2	67.1										
	17 43	29.796	68.2	67.0										
	18 8	29.792	68.0	66.7										
	11 9	29.920	51.9	52.0										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Leonis	11	44 30.94	- 0.19	-46.64	336 10 0.98	46.412	- 25.4	19.5	11 43 . . .	. . .		. . .
2	α Canum Venat. . . .	9	51 55.34	- 0.06	-46.84	359 54 1.05	43.536	0.0	18.7	12 51 . . .	. . .		. . .
3	α Ursæ Minoris S. P.	4	22 19.67	- 8.60	[-47.35]	52 14 . . .	. . .	. . .	. . .	1 21 . . .	. . .		. . .
October 23, L.													
4	Sun I, S.	11	51 29.15	- 0.32	-46.77	309 16 0.22	44.682	- 1 9.9	19.3	13 50 42.06	+ 66.10	11 45 57.9	. . .
5	Sun II, N.	11	53 41.35	- 0.32	-46.77	309 48 0.62	45.472	- 1 8.6	19.3	13 52 54.26	+ 66.10	11 13 43.4	. . .
6	α Bootis	11	11 40.60	- 0.16	-46.83	340 44 1.52	46.671	- 19.9	19.3	14 10 . . .	. . .		. . .
7	ϵ Bootis	11	41 12.23	- 0.13	-46.85	348 32 2.30	44.100	- 11.5	20.1	14 40 . . .	. . .		. . .
8	α Coronæ Borealis . .	11	31 2.60	- 0.13	-46.82	348 6 4.20	41.220	- 12.0	18.7	15 30 . . .	. . .		. . .
9	α Serpentis	9	39 54.21	- 0.23	-46.72	327 46 1.65	46.652	- 35.9	19.2	15 39 . . .	. . .		. . .
10	δ Ursæ Minoris . . .	5	6 25.42	+ 2.94	[-47.22]	47 36 . . .	. . .	. . .	. . .	18 5 . . .	. . .		. . .
11	μ Sagittarii	11	8 18.91	- 0.38	-46.96	299 58 0.35	42.092	- 1 38.8	19.0	18 7 . . .	. . .		. . .
12	η Serpentis	11	16 42.03	- 0.28	-46.97	318 6 0.45	45.009	- 51.3	20.0	18 15 . . .	. . .		. . .
13	ι Aquilæ	11	30 19.29	- 0.30	-46.99	312 42 0.48	47.102	- 1 2.0	19.0	18 29 . . .	. . .		. . .
14	σ Sagittarii	11	49 35.58	- 0.42	-46.97	294 37 59.80	42.242	- 2 4.5	21.7	18 48 . . .	. . .		. . .
15	Moon I, S.	11	56 36.82	- 0.44	-46.97	292 42 0.20	44.217	- 2 16.2	19.9	18 55 49.41	+ 71.48	28 21 14.9	. . .
16	α Aquilæ	11	1 24.19	- 0.20	-46.88	334 44 1.05	44.188	- 27.1	19.7	19 0 . . .	. . .		. . .
17	δ Leonis	11	9 20.78	- 0.09	-47.04	342 8 0.85	41.075	- 19.1	20.1	11 8 . . .	. . .		. . .
18	Venus II, S.	11	26 0.53	- 0.21	-47.06	322 15 59.65	41.400	- 45.8	19.3	11 25 13.26	- 1.36	1 13 21.4	. . .
19	β Leonis	11	44 31.27	- 0.13	-47.01	336 9 59.98	46.522	- 26.1	20.1	11 43 . . .	. . .		. . .
20	α Canum Venat. . . .	11	51 55.60	+ 0.04	-47.18	359 54 0.28	43.595	0.0	19.4	12 51 . . .	. . .		. . .
21	α Ursæ Minoris S. P.	9	22 23.59	- 12.84	[-47.05]	52 14 . . .	. . .	. . .	. . .	1 21 . . .	. . .		. . .
October 24, L.													
22	Sun I, N.	11	55 18.40	- 0.30	-47.17	309 28 3.42	42.415	- 1 10.6	19.3	13 54 30.93	+ 66.18	11 34 38.8	. . .
23	Sun II, S.	11	57 30.75	- 0.30	-47.17	308 56 3.12	41.855	- 1 11.9	19.3	13 56 43.28	- 66.17	12 6 53.6	. . .
24	α Bootis	11	11 40.88	- 0.10	-47.17	340 44 2.98	46.549	- 20.3	18.3	14 10 . . .	. . .		. . .
25	ϵ Bootis	10	41 12.51	- 0.05	-47.21	348 32 3.92	43.989	- 11.7	19.6	14 40 . . .	. . .		. . .
26	α Coronæ Borealis . .	7	31 3.01	- 0.05	-47.32	348 6 5.78	41.153	- 12.1	18.5	15 30 . . .	. . .		. . .
27	α Serpentis	10	39 54.60	- 0.18	-47.16	327 46 3.72	46.455	- 36.2	19.0	15 39 . . .	. . .		. . .
28	κ Aquilæ	11	32 4.94	- 0.14	-47.51	313 46 3.88	45.241	- 1 0.3	18.9	19 31 . . .	. . .		. . .
29	α Aquilæ	11	46 29.48	- 0.08	-47.33	329 36 2.90	47.782	- 33.9	19.8	19 45 . . .	. . .		. . .
30	Moon I, S.	11	52 50.79	- 0.23	-47.41	295 16 0.50	47.105	- 2 2.0	19.2	19 52 3.15	+ 68.89	25 46 4.4	. . .
31	τ Aquilæ	11	59 50.59	- 0.08	-47.33	328 0 1.95	46.178	- 36.2	18.7	19 59 . . .	. . .		. . .
32	α^2 Capricorni	11	13 4.47	- 0.16	-47.48	308 10 1.35	44.308	- 1 13.7	19.4	20 12 . . .	. . .		. . .
33	κ Cephei pr.	8	13 9.03	+ 0.58	[-47.41]	38 24 . . .	. . .	. . .	. . .	20 12 . . .	. . .		. . .
34	δ Leonis	11	9 21.26	- 0.22	-47.36	342 8 2.35	40.958	- 18.6	20.1	11 8 . . .	. . .		. . .
35	Venus II, S.	11	28 6.17	- 0.31	-47.38	322 14 1.78	43.425	- 44.6	20.1	11 27 18.48	- 1.34	1 12 2.7	. . .
36	β Leonis	11	44 31.77	- 0.25	-47.36	336 10 1.40	46.392	- 25.3	20.0	11 43 . . .	. . .		. . .
37	α Canum Venat. . . .	11	51 56.15	- 0.13	-47.55	359 54 2.02	43.590	0.0	19.7	12 51 . . .	. . .		. . .
38	α Virginis	8	20 29.04	- 0.37	-47.52	310 26 3.85	41.147	- 1 6.2	18.5	13 19 . . .	. . .		. . .
39	α Ursæ Minoris S. P.	6	22 18.17	- 7.03	[-47.54]	52 14 . . .	. . .	. . .	. . .	1 21 . . .	. . .		. . .
October 25, L.													
40	Sun I, S.	11	59 8.46	- 0.38	-47.59	308 34 1.95	45.475	- 1 10.3	18.5	13 58 20.49	+ 66.17	12 27 40.5	. . .
41	Sun II, N.	11	1 20.81	- 0.38	-47.60	309 6 2.62	46.275	- 1 9.0	18.5	14 0 32.83	- 66.17	11 55 25.7	. . .
42	α Bootis	11	11 41.45	- 0.23	-47.60	340 44 0.12	46.656	- 19.6	18.4	14 10 . . .	. . .		. . .
43	ϵ Bootis	11	41 13.15	- 0.19	-47.70	348 32 5.70	43.779	- 11.3	18.0	14 40 . . .	. . .		. . .
44	α Coronæ Borealis . .	10	31 3.59	- 0.19	-47.76	348 6 7.05	40.974	- 11.7	17.5	15 30 . . .	. . .		. . .
45	α Serpentis	8	39 55.20	- 0.29	-47.66	327 46 . . .	. . .	. . .	. . .	15 39 . . .	. . .		. . .
46	α^2 Capricorni	11	13 5.00	- 0.40	-47.79	308 10 1.98	44.248	- 1 11.5	19.5	20 12 . . .	. . .		. . .
47	π Capricorni	11	22 10.05	- 0.44	-47.67	302 30 0.02	41.584	- 1 28.2	19.0	20 21 . . .	. . .		. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.			No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.		
d	h m	in.	°	°				' "	' "	"	' "		
22	11 44	29.926	54.0	53.2	4, 22, 32, 40.	Bisections at I, II.	4	+ 6.9	+ 16 7.2	. . .	16 14.1		
23	13 53	29.920	55.0	56.2	5, 9, 23, 37, 41.	Bisections at VI, VII.	5	+ 6.8	- 16 7.2	. . .	16 0.4		
	14 11			57.4	7, 26, 38.	Bisections at II, VI, VII.	15	+ 51 27.3	+ 15 16.3	. . .	66 43.6		
	14 41	29.906	59.1	58.2	15.	Bisections at II, III, IV, V, VI.	18	+ 12.9	+ 20.5	. . .	33.4		
	15 39	29.900	59.9	58.1	30.	Bisections at III, C ₁ , IV, C ₅ , V.	22	+ 6.8	- 16 7.4	. . .	16 0.6		
	18 8	29.900	58.1	54.4			23	+ 6.9	+ 16 7.3	. . .	+ 16 14.2		
	19 1	29.918	56.1	41.7			30	+ 49 47.5	+ 15 4.9	. . .	+ 64 52.4		
	11 9	30.084	44.1	43.5			35	+ 12.7	+ 20.1	. . .	+ 32.8		
	11 44	30.082	46.1	50.4			40	+ 6.9	+ 16 7.4	. . .	+ 16 14.3		
	13 57	30.046	52.5	51.8			41	+ 6.9	- 16 7.4	. . .	- 16 0.5		
	14 41	30.022	55.0	52.3									
	15 39	30.005	57.3	56.9									
	19 32	29.956	55.0	50.2									
	20 17	29.956	54.0	49.3									
	11 9	29.760	50.2	52.3									
	11 44	29.752	52.9	58.2									
	12 51			60.8									
	13 20	29.724	60.8	62.4									
	14 1	29.702	62.6	64.2									
	14 41	29.690	64.6	65.3									
	15 42	29.674	65.9	66.9									
	20 13	29.656	62.1										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ε Delphini	11	29 2.45	-0.29	-47.77	331 58 1.30	45.718	-30.0	19.1	20 28 . .	. .		. .
2	☾ Moon I, S.	11	44 59.83	-0.47	-47.77	298 59 59.52	44.778	-1 41.4	19.4	20 44 11.59	+66.22	-22 2 29.6	. .
3	μ Aquarii	6	47 50.76	-0.39	-47.75	310 40 . .	. .	. .	. .	20 47 . .	. .		. .
4	12 Year Cat. 1879 . .	11	53 4.55	+0.59	[-47.76]	41 10 . .	. .	. .	. .	20 52 . .	. .		. .
5	♄ Ursæ Majoris S.P. .	5	2 2.65	-0.55	[-47.54]	73 24 . .	. .	. .	. .	9 1 . .	. .		. .
6	61 ¹ Cygni	11	3 1.82	-0.17	-47.87	359 13 58.20	48.825	-0.7	19.9	21 2 . .	. .		. .
7	♂ Leonis	11	9 21.83	-0.14	-47.99	342 8 3.12	40.930	-18.7	20.4	11 8 . .	. .		. .
8	Venus II, S.	11	30 17.34	-0.24	-47.95	322 12 2.42	43.010	-45.0	20.3	11 29 29.15	-1.32	+1 9 54.8	. .
9	β Leonis	10	44 32.26	-0.17	-47.91	336 10 1.22	46.412	-25.5	20.2	11 43 . .	. .		. .
10	α Ursæ Minoris S. P. .	8	22 20.49	-9.09	[-47.96]	52 14 . .	. .	. .	. .	1 21 . .	. .		. .
October 26, L.													
11	Sun I, N.	10	2 59.23	-0.32	-48.14	308 46 1.28	44.668	-1 10.3	19.3	14 2 10.77	+66.31	-12 15 57.4	. .
12	Sun II, S.	11	5 11.86	-0.32	-48.14	308 14 1.58	43.935	-1 11.6	19.3	14 4 23.40	-66.32	-12 48 15.0	. .
13	α Bootis	11	11 41.93	-0.14	-48.16	340 44 3.45	46.552	-19.7	19.1	14 10 . .	. .		. .
14	ε Bootis	11	41 13.65	-0.10	-48.29	348 32 5.22	43.849	-11.3	19.1	14 40 . .	. .		. .
15	α Coronæ Borealis . .	11	31 3.95	-0.10	-48.21	348 6 5.62	41.098	-11.8	18.7	15 30 . .	. .		. .
16	α Serpentis	11	39 55.65	-0.21	-48.19	327 46 4.02	46.362	-35.2	18.8	15 39 . .	. .		. .
17	α Cephei	8	16 53.58	+0.15	[-48.19]	23 8 . .	. .	. .	. .	21 16 . .	. .		. .
18	ι Pegasi	11	18 4.81	-0.18	-48.11	340 22 0.80	47.260	-20.2	19.6	21 17 . .	. .		. .
19	ι H. Draconis S. P. .	4	23 5.13	-1.41	[-48.18]	59 12 . .	. .	. .	. .	9 22 . .	. .		. .
20	β Aquarii	9	26 53.80	-0.30	-48.32	314 59 59.95	44.692	-56.6	18.6	21 26 . .	. .		. .
21	☾ Moon I, S.	11	33 27.75	-0.38	-48.25	303 34 1.88	46.044	-1 25.2	19.3	21 32 39.12	+63.91	-17 27 46.7	. .
22	ε Pegasi	11	39 53.25	-0.23	-48.26	330 26 2.85	42.389	-32.2	19.8	21 39 . .	. .		. .
23	μ Capricorni	11	48 26.55	-0.35	-48.31	307 0 1.90	43.112	-1 15.2	19.3	21 47 . .	. .		. .
October 27, L.													
24	♂ Leonis	11	9 22.79	-0.29	-48.75	342 8 1.72	40.902	-18.2	19.4	11 8 . .	. .		. .
25	Venus II, S.	11	34 54.77	-0.36	-48.82	322 6 0.58	40.896	-43.9	19.0	11 34 5.59	-1.28	+1 3 14.8	. .
26	β Leonis	11	44 33.31	-0.31	-48.78	336 10 0.25	46.388	-24.8	19.9	11 43 . .	. .		. .
27	α Canum Venat. . . .	8	51 57.70	-0.24	-48.94	359 53 59.30	43.555	0.0	18.8	12 51 . .	. .		. .
28	α Virginis	11	20 30.49	-0.40	-48.90	310 26 1.75	41.254	-1 5.7	20.0	13 19 . .	. .		. .
29	α Ursæ Minoris S. P. .	6	22 14.57	-2.63	[-48.91]	52 14 . .	. .	. .	. .	1 21 . .	. .		. .
October 28, L.													
30	Sun I, S.	11	10 42.52	-0.41	-48.91	307 33 57.72	42.230	-1 12.7	19.0	14 9 53.20	+66.58	-13 28 49.9	. .
31	Sun II, N.	11	12 55.69	-0.41	-48.92	308 6 2.52	43.010	-1 11.3	19.0	14 12 6.36	-66.58	-12 56 31.2	. .
32	ε Bootis	11	41 14.57	-0.27	-49.03	348 32 2.72	43.949	-11.3	19.1	14 40 . .	. .		. .
33	α Coronæ Borealis . .	11	31 4.85	-0.27	-48.95	348 6 2.65	41.209	-11.8	18.3	15 30 . .	. .		. .
34	α Serpentis	11	39 56.52	-0.34	-48.93	327 46 1.62	46.491	-35.4	18.9	15 39 . .	. .		. .
35	♂ Ophiuchi	11	9 41.57	-0.37	-48.97	317 36 2.02	44.805	-51.2	18.7	16 8 . .	. .		. .
36	α Scorpii	11	23 49.55	-0.48	-48.98	294 50 1.02	46.710	-2 0.6	18.2	16 23 . .	. .		. .
37	♂ Crateris	11	14 56.49	-0.27	-49.04	306 49 59.28	43.011	-1 19.4	21.0	11 14 . .	. .		. .
38	Venus II, S.	11	37 20.32	-0.18	-49.00	322 0 3.52	45.521	-46.4	19.7	11 36 31.14	-1.26	+0 58 43.3	. .
39	β Leonis	11	44 33.30	-0.09	-48.97	336 10 2.80	46.308	-26.2	19.7	11 43 . .	. .		. .
40	α Canum Venat. . . .	8	51 57.56	+0.07	-49.09	359 54 1.88	43.505	0.0	18.8	12 51 . .	. .		. .
41	α Virginis	11	20 30.49	-0.25	-49.04	310 26 1.55	41.435	-1 8.8	20.3	13 19 . .	. .		. .
42	α Ursæ Minoris S. P. .	6	22 24.38	-12.51	[-49.05]	52 14 . .	. .	. .	. .	1 21 . .	. .		. .
October 29, L.													
43	Sun I, N.	11	14 34.91	-0.27	-49.14	307 46 2.72	43.225	-1 15.1	19.7	14 13 45.50	+66.72	-13 16 28.9	. .
44	Sun II, S.	11	16 48.37	-0.27	-49.15	307 13 59.90	42.605	-1 16.6	19.7	14 15 58.95	-66.73	-13 48 47.5	. .
45	ε Bootis	11	41 14.45	-0.02	-49.16	348 32 1.18	44.064	-11.8	19.4	14 40 . .	. .		. .
46	α Coronæ Borealis . .	11	31 4.90	-0.02	-49.25	348 6 . .	. .	. .	. .	15 30 . .	. .		. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
25	21 3	29.708	59.8	59.1	2, 21.	Bisections at II, III, IV, V, VI.	2	+47 40.5	+14 56.1	. .	+62 36.6
26	11 9	29.772	48.1	46.0	6, 13.	Bisections at II, VI, VII.	8	+12.5	+19.8	. .	+32.3
26	11 44	29.782	50.4	48.4	11, 30, 43.	Bisections at I, II.	11	+6.9	-16 8.8	. .	-16 1.9
26	14 5	29.760	61.1	60.0	12, 31, 40, 44.	Bisections at VI, VII.	12	+7.0	+16 8.7	. .	+16 15.7
26	14 14	29.736	62.8	63.2	35.	Bisections at II, VI.	21	+45 5.8	+14 50.3	. .	+59 56.1
26	15 39	29.720	65.3	65.6			25	+12.2	+19.2	. .	+31.4
26	21 18	29.708	60.1	57.8			30	+7.0	+16 9.3	. .	+16 16.3
26	21 48	29.706	59.2	57.2			31	+7.0	-16 9.4	. .	-16 2.4
27	11 9	29.714	59.5	59.2			38	+12.0	+18.9	. .	+30.9
27	11 44	29.718	60.9	61.1			43	+7.0	-16 9.3	. .	-16 2.3
27	13 20	29.738	65.4	64.3			44	+7.1	+16 9.2	. .	+16 16.3
28	14 12	29.734	65.5	64.4							
28	14 41	29.736	65.9	64.1							
28	15 31			63.2							
28	15 39	29.750	65.9	63.2							
28	16 23	29.764	66.1	63.1							
28	11 14	30.044	41.2	38.9							
28	11 44	30.046	42.9	40.5							
28	13 20	30.036	48.2	46.2							
29	14 16	30.000	50.8	48.8							
29	14 41	29.990	52.1	50.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ-INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
		m s	s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Serpentis	11	39 56.54	- 0.15	-49.14	327 46 2.32	46.511	- 36.4	19.5	15 39 . . .	. . .	. . .	. . .
2	β Herculis	9	26 32.93	- 0.05	-49.32	342 44 1.55	44.958	- 18.0	19.4	16 25 . . .	. . .	. . .	. . .
3	θ Piscium	9	23 31.29	- 0.06	-49.13	326 50 4.28	44.590	- 38.6	19.1	23 22 . . .	. . .	. . .	. . .
4	λ Draconis s. p. . .	9	26 3.06	- 0.69	[-49.73]	71 4 . .	. . .	. . .	. . .	11 25 . . .	. . .	. . .	. . .
5	ι Piscium	11	35 25.97	- 0.06	-49.25	326 4 3.78	48.628	- 39.7	18.9	23 34 . . .	. . .	. . .	. . .
6	Moon I, S. . . .	11	46 1.69	- 0.09	-49.29	320 10 4.08	46.578	- 49.3	19.1	23 45 12.31	+61.05	0 50 58.2	. . .
7	Groombridge 4163	11	50 36.02	+ 0.76	[-49.40]	34 50 . .	. . .	. . .	. . .	23 49 . . .	. . .	. . .	. . .
8	ω Piscium	11	54 48.27	- 0.05	-49.32	327 17 56.32	47.399	- 37.9	19.0	23 53 . . .	. . .	. . .	. . .
9	α Andromedæ . . .	11	3 50.65	+ 0.06	-49.47	349 32 0.38	45.150	- 10.9	19.5	0 3 . . .	. . .	. . .	. . .
10	Venus II, S. . . .	11	39 50.81	+ 0.06	-49.58	321 56 1.12	41.662	- 47.1	18.8	11 39 1.29	- 1.24	0 53 27.1	. . .
11	β Leonis	11	44 33.69	+ 0.13	-49.56	336 10 2.82	46.272	- 26.5	19.0	11 43 . . .	. . .	. . .	. . .
12	α Canum Venat. . .	11	51 57.93	+ 0.27	-49.64	359 54 4.80	43.222	- 0.0	18.6	12 50 . . .	. . .	. . .	. . .
13	α Ursæ Minoris s. p.	6	22 24.06	-11.77	[-49.64]	52 14 . .	. . .	. . .	. . .	1 21 . . .	. . .	. . .	. . .
14	α Bootis	11	11 43.15	+ 0.15	-49.65	340 44 4.18	46.442	- 20.7	18.4	14 10 . . .	. . .	. . .	. . .
October 30, L.													
15	Sun I, S. . . .	10	18 28.49	- 0.02	-49.66	306 54 3.00	43.222	- 1 18.8	18.8	14 17 38.81	+66.81	14 8 31.4	. . .
16	Sun II, N. . . .	11	20 42.12	- 0.02	-49.66	307 26 2.98	44.288	- 1 17.3	18.8	14 19 52.44	66.82	13 36 12.0	. . .
17	ε Bootis	11	41 14.76	+ 0.20	-49.68	348 32 3.25	43.970	- 12.0	19.2	14 40 . . .	. . .	. . .	. . .
18	α Coronæ Borealis .	11	31 5.12	+ 0.19	-49.68	348 6 4.12	41.128	- 12.4	18.1	15 30 . . .	. . .	. . .	. . .
19	α Serpentis	2	39 56.94	+ 0.09	-49.78	327 46 2.30	46.512	- 37.2	18.5	15 39 . . .	. . .	. . .	. . .
20	α Scorpii	11	23 49.84	- 0.08	-49.67	294 50 1.38	47.198	- 2 6.5	20.2	16 23 . . .	. . .	. . .	. . .
21	β Herculis	11	26 33.08	+ 0.16	-49.69	342 44 2.00	44.995	- 18.3	18.8	16 25 . . .	. . .	. . .	. . .
November 2, L.													
22	α Arietis	11	2 10.33	- 0.09	-50.74	344 0 3.95	42.926	- 17.1	18.0	2 1 . . .	. . .	. . .	. . .
23	ξ ¹ Ceti	11	8 21.10	- 0.22	-50.67	329 22 2.45	48.075	- 35.4	20.3	2 7 . . .	. . .	. . .	. . .
24	ξ ² Ceti	11	23 29.60	- 0.22	-50.65	329 0 3.82	48.336	- 35.9	19.4	2 22 . . .	. . .	. . .	. . .
25	5 Ursæ Minoris s. p.	11	28 33.72	- 1.96	[-50.67]	64 48 . .	. . .	. . .	. . .	14 27 . . .	. . .	. . .	. . .
26	γ Ceti	11	38 46.67	+ 0.27	-50.68	323 50 5.08	43.101	- 43.8	19.2	2 37 . . .	. . .	. . .	. . .
27	Moon II, N. . . .	11	55 37.71	- 0.11	-50.69	342 26 1.55	46.575	- 18.9	19.3	2 54 46.91	67.84	+21 25 29.4	. . .
28	α Ceti	11	57 42.55	- 0.26	-50.69	324 42 1.95	46.531	- 42.4	19.7	2 56 . . .	. . .	. . .	. . .
November 3, L.													
29	β Leonis	11	44 35.85	- 0.09	-51.37	336 10 4.92	46.092	- 26.3	18.9	11 43 . . .	. . .	. . .	. . .
30	Venus II, S. . . .	11	53 26.27	- 0.15	-51.40	321 18 4.40	44.148	- 47.7	19.6	11 52 34.72	- 1.16	0 16 16.6	. . .
31	γ Corvi	11	11 17.65	- 0.24	-51.40	304 4 2.68	46.409	- 1 27.6	19.3	12 10 . . .	. . .	. . .	. . .
32	α Canum Venat. . .	11	52 0.09	+ 0.03	-51.47	359 54 3.38	43.248	- 0.0	19.3	12 51 . . .	. . .	. . .	. . .
33	α Virginis	10	20 33.03	- 0.21	-51.53	310 26 3.12	41.311	- 1 9.1	19.6	13 19 . . .	. . .	. . .	. . .
34	α Ursæ Minoris s. p.	9	22 21.66	- 8.00	[-51.50]	52 14 . .	. . .	. . .	. . .	1 21 . . .	. . .	. . .	. . .
35	Mercury C. C. . .	11	37 38.28	- 0.19	-51.51	312 56 5.62	45.475	- 1 1.3	18.7	13 36 46.58	- 0.13	8 5 31.1	. . .
36	α Bootis	11	11 45.32	- 0.07	-51.54	340 44 5.40	46.254	- 20.4	17.5	14 10 . . .	. . .	. . .	. . .
November 4, L.													
37	Sun I, N. . . .	11	38 8.04	- 0.23	-51.57	305 50 7.78	46.185	- 1 20.7	18.1	14 37 16.24	+67.36	15 11 31.0	. . .
38	Sun II, S. . . .	11	40 22.77	- 0.23	-51.57	305 18 4.02	45.650	- 1 22.3	18.1	14 39 30.97	-67.37	15 43 49.1	. . .
39	α Coronæ Borealis .	11	31 7.33	- 0.03	-51.67	348 6 6.20	41.002	- 12.2	17.5	15 30 . . .	. . .	. . .	. . .
40	α Serpentis	9	39 59.05	- 0.12	-51.68	327 46 4.35	46.270	- 36.6	17.2	15 39 . . .	. . .	. . .	. . .
41	α Scorpii	11	23 51.99	- 0.29	-51.62	294 50 6.52	46.610	- 2 4.3	17.6	16 23 . . .	. . .	. . .	. . .
42	β Herculis	10	26 35.23	- 0.06	-51.63	342 44 3.85	44.785	- 18.0	18.0	16 25 . . .	. . .	. . .	. . .
43	μ Aquarii	11	47 54.36	- 0.51	-51.37	311 40 7.85	42.478	- 1 5.5	19.0	20 47 . . .	. . .	. . .	. . .
44	ν Cygni	6	54 8.91	- 0.21	-51.51	1 46 0.70	47.762	+ 1.9	19.0	20 53 . . .	. . .	. . .	. . .
45	B. D.—16°, 5811 . .	11	5 41.88	- 0.56	-51.43	304 26 2.98	45.508	- 1 25.0	18.8	21 4 49.89	3.27	16 35 53.4	7.7
46	B. D.—3°, 5153 . .	11	9 8.95	- 0.48	-51.43	317 22 4.55	48.018	- 53.7	18.8	21 8 17.04	2.99	3 38 34.2	12.6

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "		' "
29 15 39	29.970	54.7	52.1	2, 15, 37, 45.	Bisections at I, II.	6	+34 32.4	+14 49.1	. . .	+49 21.5
16 26	29.962	54.2	51.6	3, 16, 20, 38, 39, 44.	Bisections at VI, VII.	10	+ 11.8	+ 18.6	. . .	+ 30.4
23 35	30.084	45.9	43.5	6, 27.	Bisections at II, III, IV, V, VI.	15	+ 7.1	+16 9.6	. . .	+16 16.7
0 3	30.084	45.2	42.9	17.	Bisections at II, VI, VII.	16	+ 7.0	16 9.7	. . .	-16 2.7
11 39	30.282	38.2	38.4	40.	Bisections at II, VI.	27	+16 34.0	-15 13.4	. . .	+ 1 20.6
14 20	30.276	47.7	45.2			30	+ 11.2	+17.3	. . .	+ 28.5
14 41	30.272	48.1	45.7			35	+ 7.8	. . .	+ 1.0	+ 8.8
15 39	30.240	49.2	46.8			37	+ 7.2	-16 9.0	. . .	-16 1.8
16 26	30.234	50.1	47.3			38	+ 7.3	+16 9.0	. . .	+16 16.3
2 2	29.970	38.9	35.6							
2 57	29.974	38.0	35.2							
3 12 44	30.314	42.0	43.3							
12 11	30.329	44.5	45.2							
13 20	30.350	49.0	49.3							
13 37	. . .	. . .	50.6							
14 11	30.344	52.7	51.6							
14 40	30.338	53.9	53.5							
15 31	30.326	56.5	55.3							
16 26	30.310	58.0	57.5							
20 47	30.284	53.8	52.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	1 Pegasi	11	18 8.12	- 0.34	-51.40	340 22 2.12	47.192	-	20.8	19.1	21 17 . .		
2	1 H. Draconis S. P. . .	8	23 10.01	- 1.48	[- 51.43]	59 12 . .							
3	β Aquarii	11	26 56.99	- 0.49	-51.43	315 0 5.08	44.568	-	58.4	18.3	21 26 . .		
	November 5, L.												
4	μ Aquarii	11	47 54.69	- 0.35	-51.87	311 40 6.98	42.615	-	1 5.0	19.6	20 47 . .		
5	ν Cygni	11	54 9.31	- 0.12	-51.99	1 46 2.92	47.595	+	1.9	19.7	20 53 . .		
6	B. D. - 3°, 5153	11	9 9.34	- 0.32	-51.87	317 22 1.92	48.194	-	53.3	19.1	21 8 17.15	- 2.98	- 3 38 33.3 -12.6
7	1 Pegasi	11	18 8.42	- 0.22	-51.84	340 22 2.48	47.154	-	20.7	18.8	21 17 . .		
8	1 H. Draconis S. P. . .	8	23 10.31	- 1.17	[- 51.87]	59 12 . .							
9	β Aquarii	9	26 57.18	- 0.34	-51.79	315 0 9.22	44.239	-	58.0	18.2	21 26 . .		
	November 11, P.												
10	Venus II, S.	11	17 11.57	+ 0.14	+ 6.16	319 46 0.85	44.040	-	51.1	17.9	12 17 17.87	- 1.03	- 1 15 50.7 . .
11	α Canum Venat.	11	51 2.51	+ 0.21	+ 6.11	359 54 0.72	43.211	-	0.0	18.6	12 51 . .		
12	α Virginis	9	19 35.15	+ 0.13	+ 6.17	310 26 2.10	41.310	-	1 10.3	18.1	13 19 . .		
13	α Ursæ Minoris S. P. . .	9	21 16.47	+ 3.02	[+ 6.17]	52 14 . .							
14	η Bootis	11	49 35.47	+ 0.18	+ 6.12	339 56 0.02	45.640	-	21.8	18.3	13 49 . .		
15	Mercury C, C.	11	59 2.69	+ 0.13	+ 6.09	311 18 2.45	43.670	-	1 8.0	17.9	13 59 8.91	- 0.06	- 9 44 13.0 . .
16	α Bootis	11	10 47.59	+ 0.18	+ 6.04	340 44 1.92	46.350	-	20.8	17.6	14 10 . .		
	November 12, P.												
17	Sun I, S.	11	9 17.80	+ 0.12	+ 6.05	303 0 8.20	42.730	-	1 31.3	17.9	15 9 23.97	+68.23	- 18 2 47.2 . .
18	Sun II, N.	11	11 34.27	+ 0.12	+ 6.04	303 32 5.08	44.115	-	1 29.4	17.9	15 11 40.43	-68.23	- 17 30 24.5 . .
19	β Herculis	11	25 37.35	+ 0.18	+ 5.99	342 44 2.48	44.817	-	18.4	17.9	16 25 . .		
20	η Herculis	11	39 12.14	+ 0.21	+ 5.91	0 8 2.00	44.582	+	0.2	17.2	16 39 . .		
21	α Herculis	11	9 46.77	+ 0.17	+ 6.05	335 32 2.35	43.824	-	26.8	17.4	17 9 . .		
	November 15, P.												
22	Venus II, S.	11	30 42.59	- 0.04	+ 3.59	318 48 4.95	42.282	-	51.0	17.9	12 30 46.14	- 0.98	- 2 14 20.2 . .
23	α Canum Venat.	11	51 5.35	+ 0.09	+ 3.50	359 54 1.90	43.090	-	0.0	18.6	12 51 . .		
24	α Ursæ Minoris S. P. . .	8	21 20.13	- 5.32	[+ 3.53]	52 14 . .							
25	η Bootis	11	49 39.25	+ 0.02	+ 3.57	339 56 1.65	45.455	-	21.2	18.0	13 49 . .		
26	α Bootis	11	10 50.28	+ 0.03	+ 3.56	340 44 1.15	46.275	-	20.2	17.0	14 10 . .		
27	Mercury C, C.	10	18 17.51	- 0.06	+ 3.52	309 24 1.35	42.562	-	1 10.5	17.9	14 18 20.97	- 0.04	- 11 38 37.9 . .
	November 17, P.												
28	α Bootis	11	10 51.50	+ 0.05	+ 2.36	340 44 0.10	46.404	-	20.4	18.7	14 10 . .		
29	Mercury C, C.	11	28 57.98	+ 0.03	+ 2.33	308 20 2.50	44.574	-	1 13.7	18.3	14 29 0.34	- 0.03	- 12 42 1.7 . .
30	ε Bootis	11	40 23.03	+ 0.06	+ 2.36	348 32 0.10	43.741	-	11.8	17.7	14 40 . .		
31	β Bootis	11	57 57.97	+ 0.06	+ 2.28	1 50 1.45	40.658	+	1.9	17.7	14 58 . .		
	November 18, P.												
32	Sun I, N.	11	34 3.68	+ 0.02	+ 2.34	302 0 3.00	45.732	-	1 31.9	17.3	15 34 6.04	+68.94	- 19 1 54.7 . .
33	Sun II, S.	11	36 21.56	+ 0.02	+ 2.34	301 28 2.05	44.802	-	1 33.9	17.3	15 36 23.92	-68.94	- 19 34 18.2 . .
34	α Ophiuchi	11	30 2.67	+ 0.05	+ 2.39	333 40 2.15	42.502	-	28.1	14.9	17 30 . .		
35	γ² Sagittarii	11	59 3.82	0.00	+ 2.37	290 37 58.85	43.435	-	2 29.1	15.6	17 59 . .		
36	δ Ursæ Minoris	8	5 30.03	- 0.41	[+ 2.35]	47 36 . .							
37	η Serpentis	11	15 52.20	+ 0.04	+ 2.31	318 6 1.05	44.634	-	50.7	15.8	18 15 . .		
38	α Canum Venat.	11	51 5.90	+ 0.01	+ 3.11	359 54 0.32	43.165	-	0.0	19.4	12 51 . .		
39	α Ursæ Minoris S. P. . .	8	21 14.17	+ 1.90	[+ 1.31]	52 14 . .							
40	η Bootis	11	49 39.67	+ 0.01	+ 3.21	339 56 1.58	45.425	-	21.0	18.3	13 49 . .		
41	α Bootis	11	10 50.68	+ 0.01	+ 3.23	340 44 2.05	46.228	-	20.0	18.0	14 10 . .		
42	Mercury C, C.	11	34 28.23	- 0.01	+ 3.19	307 48 2.88	43.356	-	1 13.6	18.2	14 34 31.41	- 0.03	- 13 14 24.4 . .
	November 19, P.												
43	Sun I, S.	11	38 12.81	- 0.01	+ 3.20	301 14 3.18	44.410	-	1 33.1	18.2	15 38 16.00	+69.05	- 19 48 22.0 . .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
4	21	26	30.286	52.1	51.9	3, 4, 18, 33.	Bisections at VI, VII.	10	+	10.3	+	25.8
5	20	47	30.242	57.9	56.3	17, 32, 43.	Bisections at I, II.	15	+	6.4	+	6.8
11	21	26	30.238	56.3	54.6	19.	Bisections at II, VI, VII.	17	+	7.5	+	16 18.8
	12	17	30.118	35.0	33.4	22, 27.	Bisections at III, IV, V.	18	+	7.4	-	16 3.9
	13	19	30.104	39.0	37.1			22	+	10.0	+	24.7
	13	49	30.076	39.5	37.5			27	+	6.0	+	6.3
	14	10	30.074	40.0	38.3			29	+	5.9	+	6.1
12	15	11	30.048	42.4	40.0			32	+	7.6	-	16 4.1
	16	25	30.050	44.0	41.9			33	+	7.6	+	16 19.4
	17	9	30.046	45.0	43.4			42	+	5.8	+	6.0
15	12	30	29.804	45.5	45.7			43	+	7.6	+	16 20.3
	13	49	29.818	47.5	46.2							
	14	18	29.812	50.0	48.2							
17	14	10	29.778	46.0	42.6							
	14	28	29.778	47.5	44.5							
	14	40	29.774	48.0	45.4							
18	15	36	29.746	61.5	50.2							
	17	30	29.720	58.5	57.3							
	17	59	29.724	59.5	58.4							
	18	15	29.724	60.0	59.0							
	13	49	29.642	50.5	49.1							
	14	10	29.638	52.0	50.3							
	14	34	29.628	53.5	51.8							

22 to 37. Two microscopes read.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
		m s	s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun II, N.	11	40 30.91	- 0.01	+ 3.20	301 46 3.88	45.740	- 1 31.2	18.2	15 40 34.10	-69.05	- 19 15 56.6	. .
2	α Ophiuchi	11	30 1.88	+ 0.01	+ 3.22	333 40 4.70	42.481	- 27.7	17.7	17 30 . . .	. .		. .
3	γ² Sagittarii	11	59 2.99	- 0.03	+ 3.23	290 38 1.62	43.299	- 2 26.6	18.2	17 59 . . .	. .		. .
4	δ Ursæ Minoris	6	5 29.72	- 0.60	[+ 2.52]	47 36 . . .	. . .	. . .	. . .	18 5 . . .	. .		. .
5	η Serpentis	11	15 51.33	0.00	+ 3.22	318 6 2.75	44.616	- 49.9	17.9	18 15 . . .	. .		. .
6	Moon I.	11	28 12.11	- 0.02	+ 3.23	292 25 . . .	. . .	. . .	. . .	18 28 15.32	+73.00		. .
	November 20, P.												
7	Venus II, S.	11	48 22.31	+ 0.25	+ 4.68	317 26 2.20	41.860	- 55.2	18.1	12 48 27.24	- 0.92	- 3 36 35.4	. .
8	α Canum Venat.	11	51 4.15	+ 0.29	+ 4.63	359 54 2.55	42.985	0.0	18.7	12 51 . . .	. .		. .
9	α Ursæ Minoris s. p.	8	21 12.26	- 0.54	[+ 4.73]	52 14 . . .	. . .	. . .	. . .	1 21 . . .	. .		. .
10	η Bootis	11	49 37.86	- 0.27	+ 4.81	339 56 0.80	45.485	- 21.8	18.4	13 49 . . .	. .		. .
11	ε Bootis	11	40 20.53	+ 0.28	+ 4.68	348 32 1.85	43.621	- 12.1	17.9	14 40 . . .	. .		. .
12	Mercury C, C.	9	45 47.32	+ 0.24	+ 4.73	306 42 4.40	45.689	- 1 20.2	18.1	14 45 52.29	- 0.02	- 14 19 44.7	. .
	November 21, P.												
13	Sun I, N.	11	46 33.34	+ 0.24	+ 4.76	301 20 2.10	42.710	- 1 37.4	18.1	15 46 38.34	+69.26	- 19 42 59.9	. .
14	Sun II, S.	11	48 51.85	+ 0.24	+ 4.76	300 48 3.50	41.522	- 1 39.5	18.1	15 48 56.85	-69.25	- 20 15 26.1	. .
15	σ Sagittarii	10	48 42.92	+ 0.23	+ 4.72	294 38 1.30	42.209	- 2 8.6	17.8	18 48 . . .	. .		. .
16	ξ Aquilæ	11	1 31.59	+ 0.27	+ 4.88	334 44 2.25	43.919	- 28.0	17.8	19 0 . . .	. .		. .
17	δ Aquilæ	11	20 9.22	+ 0.26	+ 4.88	323 56 3.80	44.264	- 43.2	18.1	19 20 . . .	. .		. .
18	α Aquilæ	11	45 36.53	+ 0.26	+ 4.91	329 56 4.15	47.554	- 34.8	17.7	19 45 . . .	. .		. .
19	Moon I, S.	11	22 7.98	+ 0.24	+ 4.88	297 32 4.65	43.870	- 1 53.9	18.1	20 22 13.10	+67.74	- 23 30 53.1	. .
20	Venus II, S.	11	52 5.18	+ 0.18	+ 0.08	317 8 0.65	43.581	- 56.4	18.6	12 52 5.44	- 0.91	- 3 54 3.6	. .
21	α Virginis	11	19 41.49	+ 0.17	+ 0.02	310 26 3.20	41.206	- 1 10.9	17.8	13 19 . . .	. .		. .
22	α Ursæ Minoris s. p.	9	21 15.36	+ 0.46	[+ 0.07]	52 14 . . .	. . .	. . .	. . .	1 21 . . .	. .		. .
23	η Bootis	11	49 42.68	+ 0.19	+ 0.09	339 56 1.15	45.346	- 21.9	16.2	13 49 . . .	. .		. .
24	α Bootis	11	10 53.74	+ 0.19	+ 0.05	340 44 1.85	46.139	- 20.9	16.0	14 10 . . .	. .		. .
25	ε Bootis	11	40 25.26	+ 0.20	+ 0.05	348 32 1.70	43.489	- 12.1	15.5	14 40 . . .	. .		. .
26	Mercury C, C.	11	51 40.45	+ 0.17	+ 0.04	306 10 1.20	43.949	- 1 21.3	18.6	14 51 40.66	- 0.02	- 14 52 20.8	. .
	November 22, P.												
27	Sun I, S.	11	50 50.47	+ 0.16	0.00	300 33 59.75	44.672	- 1 39.7	18.6	15 50 50.63	+69.33	- 20 28 25.4	. .
28	Sun II, N.	11	53 9.14	+ 0.16	0.00	301 5 59.25	46.008	- 1 37.6	18.6	15 53 9.30	-69.34	- 19 56 0.9	. .
29	α² Capricorni	11	12 16.42	+ 0.17	- 0.13	308 10 2.90	44.181	- 1 14.3	17.2	20 12 . . .	. .		. .
30	π Capricorni	11	21 21.52	+ 0.16	- 0.11	302 30 4.35	41.336	- 1 31.7	15.8	20 21 . . .	. .		. .
31	μ Aquarii	11	47 2.20	+ 0.17	- 0.11	311 40 4.00	42.668	- 1 5.9	17.5	20 47 . . .	. .		. .
32	Moon I, S.	11	12 47.99	+ 0.16	- 0.14	301 50 7.00	46.632	- 1 34.2	16.6	21 12 48.01	+65.09	- 19 11 36.6	. .
	November 26, P.												
33	Venus II, S.	11	10 44.59	+ 0.01	- 0.09	315 36 0.02	44.675	- 58.9	17.3	13 10 44.51	- 0.86	- 5 25 46.5	. .
34	α Virginis	11	19 41.87	0.00	- 0.06	310 26 1.18	41.385	- 1 10.6	18.6	13 19 . . .	. .		. .
35	α Ursæ Minoris s. p.	6	21 15.32	- 2.45	[- 0.08]	52 14 . . .	. . .	. . .	. . .	1 21 . . .	. .		. .
36	ξ Virginis	11	29 22.80	+ 0.02	- 0.14	320 58 3.60	43.745	- 48.8	17.0	13 29 . . .	. .		. .
37	η Bootis	11	49 43.08	+ 0.05	- 0.06	339 56 1.78	45.321	- 21.9	17.7	13 49 . . .	. .		. .
38	Mercury C, C.	11	21 43.86	- 0.01	- 0.09	303 32 2.40	44.218	- 1 30.2	17.3	15 21 43.76	- 0.01	- 17 30 24.1	. .
	November 27, P.												
39	Sun I, S.	11	12 3.71	- 0.02	- 0.09	299 35 58.35	41.250	- 1 44.9	17.3	16 12 3.60	+69.89	- 21 27 38.2	. .
40	Sun II, N.	11	14 23.49	- 0.02	- 0.09	300 8 3.75	42.440	- 1 42.7	17.3	16 14 23.38	-69.89	- 20 55 10.7	. .
41	η Serpentis	11	15 54.50	+ 0.02	+ 0.01	318 6 1.95	44.757	- 53.4	16.6	18 15 . . .	. .		. .
42	α Lyre	11	33 23.66	+ 0.08	- 0.22	359 42 1.85	44.650	- 0.2	16.4	18 33 . . .	. .		. .
43	σ Sagittarii	11	48 47.93	- 0.03	- 0.05	294 38 2.55	42.175	- 2 9.3	17.5	18 48 . . .	. .		. .
	November 28, P.												
44	Venus II, S.	11	18 24.40	+ 0.15	- 0.10	314 58 5.80	43.335	- 1 0.4	19.1	13 18 24.45	- 0.84	- 6 4 9.7	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
19 15 40	29.590	56.8	56.2	I, 14, 28, 31, 34, 40.	Bisections at VI, VII.	1	+ 7.6	-16 12.7	. .	-16 5.1
17 30	29.534	62.5	61.6	8.	Bisections at I, VII.	7	+ 9.6	+ 13.8	. .	+ 23.4
17 59	29.520	64.0	63.3	13, 27, 39.	Bisections at I, II.	12	+ 5.8	. . .	+ 0.1	+ 5.9
18 15	29.510	64.5	63.2	19, 32.	Bisections at II, III, IV, V, VI.	13	+ 7.6	-16 13.1	. .	-16 5.5
20 12 48	29.658	29.5	29.0	41.	Bisections at I, VI, VII.	14	+ 7.7	+16 13.0	. .	+16 20.7
13 49	29.696	33.5	31.2	44.	Bisections at II, III, V, VI.	19	+48 52.9	+15 6.0	. .	+63 58.9
14 45	29.732	34.0	31.7			20	+ 9.5	+ 13.7	. .	+ 23.2
21 15 48	29.734	36.0	34.7			26	+ 5.7	. . .	+ 0.1	+ 5.8
18 48	29.790	39.5	37.4			27	+ 7.7	+16 12.2	. .	+16 19.9
19 1	29.800	39.5	37.2			28	+ 7.6	-16 12.2	. .	-16 4.6
19 20	29.810	39.5	37.2			32	+46 21.6	+14 57.4	. .	+61 19.0
19 45	29.828	38.5	36.4			33	+ 9.3	+ 12.9	. .	+ 22.2
20 22	29.848	37.0	35.4			38	+ 5.6	. . .	+ 0.1	+ 5.7
12 52	30.190	32.0	31.8			39	+ 7.8	+16 13.7	. .	+16 21.5
13 49	30.202	38.0	36.7			40	+ 7.7	-16 13.7	. .	-16 6.0
14 51	30.208	42.5	41.9			44	+ 9.2	+ 12.6	. .	+ 21.8
22 15 53	30.184	45.1	45.2							
20 12	30.152	51.0	49.4							
20 47	30.156	49.5	48.3							
21 12	30.164	49.0	48.0							
26 13 10	30.200	37.5	36.5							
13 49	30.230	39.0	37.6							
15 21	30.244	41.0	39.5							
27 16 14	30.240	42.8	40.5							
18 15	30.245	44.5	42.3							
18 48	30.252	45.0	41.8							
28 13 18	30.052	33.5	32.7							

7 to 32. Two microscopes read.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Ursæ Minoris S. P.	6	21 9.11	+ 2.71	[- 0.08]	52 14 .				1 21 .			
2	ζ Virginis	10	29 22.75	+ 0.15	0.17	320 58 0.98	44.008	- 48.8	19.2	13 29 .			
3	η Bootis	11	49 42.96	+ 0.14	0.02	339 56 1.08	45.395	- 21.9	19.0	13 49 .			
4	ρ Bootis	11	27 19.88	+ 0.13	- 0.15	351 50 2.52	46.129	- 8.5	18.3	14 27 .			
5	Mercury C. C.	11	34 8.04	+ 0.15	- 0.12	302 32 2.05	46.496	- 1 32.5	18.1	15 34 8.07	- 0.01	- 18 29 43.8	
	November 29, P.												
6	Sun I, N.	11	20 38.06	+ 0.15	0.13	299 46 0.15	45.770	- 1 42.6	17.8	16 20 38.08	+ 70.00	- 21 16 7.9	
7	Sun II, S.	5	22 58.06	+ 0.15	- 0.13	299 14 0.02	44.832	- 1 44.8	17.8	16 22 58.08	- 70.00	- 21 48 31.2	
8	η Serpentis	11	15 54.52	+ 0.15	- 0.14	318 6 2.15	44.682	- 52.4	17.0	18 15 .			
9	α Lyrae	11	33 23.58	+ 0.12	- 0.20	359 42 2.55	44.595	- 0.2	16.5	18 33 .			
10	ζ Aquilæ	11	0 36.68	+ 0.14	- 0.12	334 44 2.88	43.776	- 27.5	17.1	19 0 .			
11	α Ursæ Minoris	5	21 14.98	- 3.37	[- 0.12]	49 44 .				1 21 .			
12	β Arietis	11	48 54.57	+ 0.10	- 0.11	341 18 1.02	48.730	- 20.0	18.1	1 48 .			
13	α Arietis	11	1 19.57	+ 0.09	- 0.09	344 0 2.32	43.088	- 17.0	17.9	2 1 .			
14	ξ Ceti	10	7 30.24	+ 0.10	- 0.05	329 22 1.72	48.010	- 35.0	19.3	2 7 .			
15	Moon I, S.	11	31 14.26	+ 0.10	0.08	340 9 59.90	43.041	- 21.3	18.4	2 31 14.28	+ 67.06	+ 19 8 18.5	
	December 2, S.												
16	Groombridge 750	3	4 9.77	+ 0.03	[+ 0.06]	46 16 .				4 4 .			
17	α Eridani	11	6 48.68	- 0.02	[+ 0.11]	313 54 8.05	48.678	- 1 1.0	15.9	4 6 .			
18	Piazzi VII, 116	11	22 59.36	- 0.02	+ 0.10	309 42 9.00	42.348	- 1 11.2	16.1	7 22 .			
19	26 Monocerotis	11	36 17.78	- 0.02	- 0.02	311 44 8.80	42.915	- 1 6.3	16.3	7 36 .			
20	B. D.—18°, 2040	8	45 9.48	- 0.03	+ 0.04	302 18 8.25	43.895	- 1 33.4	15.9	7 45 9.49	- 3.69	- 18 44 26.6	- 5.0
21	9 Navis	11	46 58.32	- 0.02	- 0.04	307 26 9.40	40.875	- 1 17.3	15.3	7 46 .			
	December 2, P.												
22	α Ursæ Minoris S. P.	1	21 5.00	+ 5.03	[- 0.36]	52 14 .				1 21 .			
23	Venus II, S.	11	34 4.35	+ 0.22	- 0.35	313 40 3.48	40.848	- 1 2.9	19.5	13 34 4.22	- 0.81	- 7 23 2.6	
24	α Bootis	11	10 54.38	+ 0.18	0.34	340 44 0.28	46.251	- 21.0	19.6	14 10 .			
25	ε Bootis	5	40 25.91	+ 0.17	- 0.36	348 31 59.55	43.720	- 12.1	19.4	14 40 .			
26	α Coronæ Borealis	10	30 16.09	+ 0.17	- 0.37	348 6 0.68	40.889	- 12.6	19.4	15 30 .			
	December 3, P.												
27	α Ursæ Minoris S. P.	3	21 4.03	+ 5.46	[- 0.47]	52 14 .				1 21 .			
28	Venus II, S.	11	38 3.39	+ 0.20	- 0.43	313 18 1.88	47.054	- 1 5.2	19.4	13 38 3.16	- 0.80	- 7 43 7.4	
29	η Bootis	11	49 43.52	+ 0.18	- 0.45	339 56 2.52	45.289	- 22.4	19.3	13 49 .			
30	α Bootis	11	10 54.53	+ 0.17	- 0.46	340 44 0.02	46.271	- 21.4	19.6	14 10 .			
31	α Coronæ Borealis	11	30 16.19	+ 0.16	- 0.44	348 6 1.48	40.849	- 12.8	19.6	15 30 .			
	December 4, P.												
32	Sun I, S.	11	42 15.44	+ 0.20	- 0.50	298 30 5.65	41.275	- 1 50.7	19.4	16 42 15.14	+ 70.54	- 22 33 38.3	
33	Sun II, N.	11	44 36.52	+ 0.20	- 0.51	299 2 3.48	42.895	- 1 48.3	19.4	16 44 36.21	- 70.53	- 22 1 10.0	
34	α Lyrae	11	33 23.88	+ 0.14	- 0.55	359 42 1.90	44.698	- 0.2	19.1	18 33 .			
	December 5, P.												
35	Venus II, S.	11	46 6.50	+ 0.41	- 1.03	312 38 2.25	45.718	- 1 6.7	19.3	13 46 5.88	- 0.79	- 8 23 34.0	
36	η Bootis	11	49 43.97	+ 0.35	- 1.01	339 56 1.22	45.358	- 22.4	19.8	13 49 .			
37	α Bootis	11	10 54.95	+ 0.35	- 1.01	340 44 1.18	46.195	- 21.4	19.8	14 10 .			
38	ρ Bootis	11	27 20.77	+ 0.32	- 1.07	351 50 2.82	46.051	- 8.7	19.1	14 27 .			
39	α Librae	11	45 6.95	+ 0.43	- 1.06	305 26 1.50	43.606	- 1 26.0	19.5	14 45 .			
40	β Ursæ Minoris	11	50 58.84	+ 0.14	[- 1.04]	35 36 .				14 50 .			
41	Mercury C. C.	11	18 56.18	+ 0.44	- 1.06	299 32 1.55	41.489	- 1 47.0	19.3	16 18 55.56	- 0.00	- 21 31 36.0	
	December 6, P.												
42	Sun I, N.	11	50 58.94	+ 0.44	- 1.06	298 45 58.50	46.195	- 1 50.0	19.3	16 50 58.32	+ 70.66	- 22 16 10.3	
43	Sun II, S.	11	53 20.26	+ 0.44	- 1.06	298 14 4.02	44.665	- 1 52.5	19.3	16 53 19.64	- 70.66	- 22 48 39.6	

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
28	13 49	30.050	36.0	35.1	2, 21.	Bisections at II, VI, VII.	5	+	5.6	0.0	+ 5.6
	14 27	30.052	39.5	37.6	6, 32, 42.	Bisections at I, II.	6	+	7.8	- 16 11.7	- 16 3.9
29	15 34	30.024	42.5	41.8	7, 19, 25, 33, 43.	Bisections at VI, VII.	7	+	7.8	+ 16 11.6	+ 16 19.4
	16 22	30.004	45.3	43.9	15.	Bisections at II, III, IV, V, VI.	15	+	41.3	+ 15 14.1	+ 33 55.4
	18 15	29.940	48.0	46.2	20.	Bisections at III, VI.	23	+	9.0	+ 12.1	+ 21.1
	19 0	29.916	48.5	47.2	23.	Bisections at II, III, V, VI.	28	+	8.9	+ 12.0	+ 20.9
	2 1	29.830	40.5	38.4			32	+	7.9	+ 16 14.1	+ 16 22.0
2	4 6	29.518	40.5	39.3			33	+	7.8	- 16 14.1	- 16 6.3
	6 48	29.544	38.1	36.5			35	+	8.9	+ 11.7	+ 20.6
	7 49	29.566	36.1	34.6			41	+	5.5		+ 5.5
	13 34	29.714	35.3	34.1			42	+	7.8	- 16 14.6	- 16 6.8
	14 10	29.740	31.0	29.8			43	+	7.9	+ 16 14.6	+ 16 22.5
	14 40	29.744	31.5	29.9							
	15 30	29.752	32.0	30.8							
3	13 38	29.902	22.5	21.7							
	14 10	29.920	25.0	23.8							
	15 30	29.908	29.0	27.5							
4	16 44	29.866	31.9	30.1							
5	13 49	29.980	23.5	23.2							
	14 27	29.996	25.5	24.7							
	14 45	30.002	26.0	24.6							
	16 18	29.998	30.0	28.5							
6	16 53	29.978	31.2	29.4							

16 to 21. Two microscopes read; reduced with places of "303" stars.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instrument.	Clock.								
1	α Lyrae	11	33	24.25	+ 0.29	- 1.08	359 42 2.35	44.638	- 0.2	18.9	18 33 . . .			
2	δ Sagittarii	11	48	48.55	+ 0.45	- 1.15	294 38 2.50	42.342	- 2 10.8	18.9	18 48 . . .			
3	ζ Aquilae	11	0	37.31	+ 0.37	- 1.00	334 44 2.28	43.882	- 28.4	19.0	19 0 . . .			
December 6, S.														
4	γ Eridani	11	53	12.55	+ 0.31	- 0.75	307 14 8.80	44.195	- 1 20.2	18.2	3 53 . . .			
5	Groombridge 750 . .	4	4	12.64	- 1.85	- 0.80	46 16 . . .				4 4 . . .			
6	Lalande 14810 . . .	11	29	37.76	+ 0.33	- 0.83	298 58 8.80	45.985	- 1 49.6	18.3	7 29 . . .			
7	26 Monocerotis . .	11	36	18.40	+ 0.30	- 0.84	311 44 9.25	43.025	- 1 8.3	19.3	7 36 . . .			
8	B. D. -18°, 2040 .	8	45	10.16	+ 0.32	- 0.83	302 18 9.05	43.888	- 1 36.1	18.6	7 45 9.65	- 3.81	- 18 44 29.2	- 4.1
9	9 Navis	11	46	58.95	+ 0.31	- 0.81	307 26 8.95	41.094	- 1 19.5	18.6	7 46 . . .			
December 10, P.														
10	α Bootis	11	10	56.00	+ 0.24	- 1.81	340 44 1.72	46.045	- 21.0	19.2	14 10 . . .			
11	α^2 Librae	11	45	8.04	+ 0.30	- 1.90	305 26 1.72	43.459	- 1 24.2	19.2	14 45 . . .			
12	β Ursae Minoris . .	11	51	0.19	+ 0.43	- 1.88	35 36 . . .				14 50 . . .			
13	β Librae	11	11	25.19	+ 0.30	- 1.91	312 2 2.98	44.266	- 1 6.4	18.5	15 11 . . .			
14	α Coronae Borealis .	11	30	17.73	+ 0.22	- 1.91	348 6 1.95	40.652	- 12.6	18.6	15 30 . . .			
15	Mercury C, C. . . .	11	52	6.36	+ 0.31	- 1.89	297 52 2.48	41.586	- 1 52.3	18.7	16 52 4.78	0.00	- 23 11 37.9	
December 11, P.														
16	Sun I, S.	11	12	56.73	+ 0.31	- 1.89	297 44 3.75	44.972	- 1 52.7	18.7	17 12 55.15	+ 70.94	- 23 18 30.5	
17	Sun II, N.	11	15	18.61	+ 0.31	- 1.89	298 16 2.08	46.650	- 1 50.2	18.7	17 15 17.03	- 70.94	- 22 46 0.6	
18	α Lyrae	11	33	25.16	+ 0.18	- 1.90	359 42 2.25	44.524	- 0.2	18.1	18 33 . . .			
December 15, P.														
19	Venus II, S.	11	27	53.80	+ 0.22	- 2.77	309 14 0.82	45.356	- 1 14.1	19.4	14 27 51.25	- 0.73	- 11 47 49.9	
20	ϵ Bootis	11	40	28.75	+ 0.12	- 2.82	348 32 1.20	43.355	- 12.2	19.6	14 40 . . .			
21	α^2 Librae	11	45	9.11	+ 0.22	- 2.75	305 26 2.20	43.455	- 1 24.9	19.5	14 45 . . .			
22	β Ursae Minoris . .	11	51	1.69	+ 0.77	- 2.79	35 36 . . .				14 50 . . .			
23	β Librae	11	11	26.26	+ 0.21	- 2.77	312 2 2.82	44.280	- 1 6.8	19.0	15 11 . . .			
December 16, P.														
24	Sun I, N.	11	35	4.30	+ 0.23	- 2.81	297 57 58.98	45.540	- 1 52.4	18.8	17 35 1.72	+ 71.18	- 23 4 24.2	
25	Sun II, S.	11	37	26.66	+ 0.23	- 2.81	297 26 1.90	44.170	- 1 55.0	18.8	17 37 24.08	- 71.18	- 23 36 53.3	
26	γ Aquilae	11	41	20.56	+ 0.18	- 2.82	331 22 3.35	47.275	- 32.6	18.0	19 41 . . .			
27	α Aquilae	11	45	44.24	+ 0.18	- 2.84	329 36 3.30	47.496	- 35.0	18.6	19 45 . . .			
28	γ Cygni	11	18	31.14	+ 0.04	- 2.87	0 56 1.95	45.474	+ 1.0	18.4	20 18 . . .			
December 25, S.														
29	Groombridge 750 . .	8	4	14.31	- 2.24	- 2.87	46 16 . . .				4 4 . . .			
30	α^1 Eridani	11	6	51.92	- 0.25	- 2.81	313 56 8.10	42.322	- 1 0.2	18.4	4 6 . . .			
31	Piazzi VII, 85 . . .	11	17	7.56	- 0.25	- 2.86	312 16 8.65	41.186	- 1 3.5	19.1	7 17 . . .			
32	B. D. -18°, 2040 .	11	45	13.25	- 0.27	- 2.88	302 18 7.40	43.574	- 1 31.0	19.1	7 45 10.10	- 4.22	- 18 44 34.0	+ 0.9
33	e Navis	11	52	27.88	- 0.28	- 2.85	298 26 7.75	46.098	- 1 46.1	19.7	7 52 . . .			
34	Lalande 16304 . . .	11	13	32.45	- 0.26	- 2.92	308 46 8.30	42.070	- 1 11.7	19.3	8 13 . . .			
December 26, P.														
35	Venus II, S.	11	16	39.94	+ 0.06	- 3.49	305 40 4.18	45.138	- 1 23.1	18.9	15 16 36.51	- 0.67	- 15 21 59.2	

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-dian.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°							
6 18 48	29.954	34.0	31.7	8, 16, 24, 34.	Bisections at I, II.	15	+	5.5	0.0	+ 5.5
19 0	29.958	34.5	32.7		Bisections at VI, VII.	16	+	7.9		+16 22.8
3 57	29.944	27.8	25.5	17, 25.	Bisections at II, VII.	17	+	7.9		-16 7.1
7 1	29.880	27.8	25.3	26.		19	+	8.5		+ 19.1
7 49	29.878	28.0	25.7			24	+	7.9		-16 6.6
14 10	29.599	25.0	26.4			25	+	8.0		+16 22.5
14 45	29.600	28.5	28.3			35	+	8.1		+ 17.7
15 11	29.604	30.0	29.3							
15 30	29.612	30.5	29.8							
16 52	29.580	32.0	31.4							
17 15	29.570	33.0	31.9							
14 27	30.238	33.0	33.9							
14 45	30.248	34.5	35.0							
15 11	30.264	36.5	36.6							
16 17 37	30.289	40.9	39.8							
19 45	30.296	43.5	41.5							
20 18	30.300	43.5	42.1							
25 3 58	29.792	48.4	47.5							
5 3	29.768	49.4	48.6							
7 2	29.744	51.2	49.3							
8 17	29.745	50.7	49.7							
15 16	29.846	35.0	34.2							
4 to 9. } Two microscopes read; reduced with places 29 to 34. } of "303" stars.										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction
				Instru- ment.	Clock.								
			m s	s	s	° / //	rev.	' //	"	h m s	s	° / //	"
1	α Serpentis	11	39 11.42	+ 0.06	- 3.42	327 46 3.32	45.966	- 37.6	19.8	15 39 . .	. .		. .
2	ε Serpentis	11	45 40.64	+ 0.06	- 3.49	325 48 2.75	47.009	- 40.6	18.8	15 45 . .	. .		. .
3	δ Scorpii	11	54 13.56	+ 0.06	- 3.50	298 42 1.98	47.778	- 1 48.5	18.8	15 54 . .	. .		. .
4	α Scorpii	11	23 4.32	+ 0.06	- 3.56	294 50 2.85	47.075	- 2 8.0	18.7	16 23 . .	. .		. .
5	ε Ursæ Minoris . .	4	56 32.93	- 0.98	[- 3.60]	43 12 . .	. .	. .	. .	16 56 . .	. .		. .
6	δ Ursæ Minoris . .	9	5 31.11	- 2.51	[- 3.48]	47 36 . .	. .	. .	. .	18 5 . .	. .		. .
December 27, P.													
7	Sun I, S.	11	23 56.36	+ 0.06	- 3.49	297 25 57.02	46.572	- 1 53.5	18.9	18 23 52.93	+ 71.21	- 23 36 7.4	. .
8	Sun II, N.	11	26 18.78	+ 0.06	- 3.49	297 58 4.68	47.702	- 1 50.9	18.9	18 26 15.35	- 71.21	- 23 3 39.0	. .
9	ε Delphini	11	28 17.14	+ 0.05	- 3.39	331 58 2.48	45.380	- 31.4	18.3	20 28 . .	. .		. .
10	α Cygni	11	37 55.07	- 0.02	- 3.53	5 56 2.02	42.385	+ 6.2	19.0	20 37 . .	. .		. .
11	ν Cygni	11	53 19.82	0.00	- 3.52	1 46 2.60	47.225	+ 1.9	18.8	20 53 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m		in.	°	°						' //	' //	"	' //
26 15 45		29.852	36.0	34.8	7. Bisections at I, II.				7	+ 8.0	+ 16 14.1	.	+ 16 22.1
16 23		29.866	38.0	35.9	8. Bisections at VI, VII.				8	+ 7.9	- 16 14.2	.	- 16 6.3
27 18 26		29.832	40.6	38.6									
20 28		29.836	43.0	40.6									
20 53		29.846	43.5	41.5									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.	
			MEAN THREAD.	Instru- ment. Clock.									
CLAMP WEST.													
January 1, P.													
1	η Herculis	11	m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
2	κ Ophiuchi	11	39 23.36	+ 0.14	- 4.72	0 8 0.42	44.000	+ 0.2	21.0	16 39 . . .	. . .	. . .	. . .
3	ϵ Ursæ Minoris	7	52 48.36	+ 0.26	- 4.67	330 34 3.98	42.701	- 34.1	20.7	16 52 . . .	. . .	. . .	. . .
4	α^1 Herculis	11	56 34.84	- 1.54	[- 4.68]	43 12 . . .	. . .	. . .	. . .	16 56 . . .	. . .	. . .	. . .
			9 57.85	+ 0.25	- 4.63	335 32 2.45	43.468	- 27.4	21.1	17 9 . . .	. . .	. . .	. . .
January 2, P.													
5	Sun I, N.	11	50 30.43	+ 0.34	- 4.79	298 21 59.38	48.872	- 1 49.3	20.4	18 50 25.98	+ 70.96	- 22 39 18.1	. . .
6	Sun II, S.	11	52 52.36	+ 0.34	- 4.79	297 50 6.48	47.092	- 1 51.8	20.4	18 52 47.91	- 70.97	- 23 11 51.3	. . .
7	Mercury C, C.	11	26 18.17	+ 0.34	- 4.82	296 56 3.00	41.581	- 1 55.8	20.4	19 26 13.69	0.00	- 24 7 42.6	. . .
8	α Aquilæ	11	45 46.10	+ 0.27	- 4.75	329 36 4.88	47.354	- 34.5	20.4	19 45 . . .	. . .	. . .	. . .
9	α Cygni	11	37 56.27	+ 0.09	- 4.89	5 56 . . .	. . .	. . .	. . .	20 37 . . .	. . .	. . .	. . .
10	ζ Cygni	11	8 34.26	+ 0.19	- 4.96	350 48 . . .	. . .	. . .	. . .	21 8 . . .	. . .	. . .	. . .
11	β Aquarii	11	26 9.18	+ 0.30	- 4.93	315 0 6.12	44.276	- 58.1	18.7	21 26 . . .	. . .	. . .	. . .
January 3, K.													
12	ζ Persei	6	47 41.68	+ 0.14	- 4.70	352 36 5.50	43.550	- 7.9	20.8	3 47 . . .	. . .	. . .	. . .
13	γ Tauri	11	13 58.69	+ 0.13	- 4.81	336 24 4.70	44.666	- 26.8	22.4	4 13 . . .	. . .	. . .	. . .
14	α Tauri	11	30 3.37	+ 0.13	- 4.73	337 20 24.10	41.810	- 25.6	23.0	4 29 . . .	. . .	. . .	. . .
15	ι Aurigæ	11	50 19.65	+ 0.14	- 4.69	354 0 0.50	48.608	- 6.4	20.5	4 50 . . .	. . .	. . .	. . .
16	ϵ Ursæ Minoris S. P.	6	56 32.68	+ 0.66	[- 4.63]	58 46 . . .	. . .	. . .	. . .	16 56 . . .	. . .	. . .	. . .
17	Neptune C, C.	11	59 40.93	+ 0.13	- 4.75	342 16 3.68	43.324	- 19.6	21.2	4 59 36.31	. . .	+ 21 14 26.4	. . .
18	η Cancri	11	26 48.55	+ 0.13	- 4.97	341 50 7.30	40.692	- 20.3	20.0	8 26 . . .	. . .	. . .	. . .
19	Jupiter I.	6	37 8.50	+ 0.13	- 4.89	340 14 . . .	. . .	. . .	. . .	8 37 3.74	+ 1.65	. . .	. . .
20	Jupiter II	5	37 11.80	+ 0.13	- 4.89	340 14 . . .	. . .	. . .	. . .	8 37 7.04	- 1.65	. . .	. . .
21	ϵ Hydræ	11	41 22.70	+ 0.12	- 4.92	327 50 11.20	42.619	- 38.9	20.4	8 41 . . .	. . .	. . .	. . .
22	γ Draconis S. P.	11	51 33.92	+ 0.45	[- 4.97]	67 46 . . .	. . .	. . .	. . .	21 51 . . .	. . .	. . .	. . .
23	α Leonis	11	2 56.32	+ 0.13	- 4.88	333 30 3.45	44.000	- 31.0	21.3	10 2 . . .	. . .	. . .	. . .
24	Moon II	11	10 14.89	+ 0.13	- 4.95	332 26 . . .	. . .	. . .	. . .	10 10 10.07	- 69.25	. . .	. . .
25	γ^1 Leonis	11	14 20.75	+ 0.13	- 4.92	341 24 1.78	41.959	- 20.9	21.5	10 14 . . .	. . .	. . .	. . .
January 3, S.													
26	ϵ Serpentis	11	45 42.47	+ 0.23	- 5.27	325 47 59.30	47.403	- 42.9	21.7	15 45 . . .	. . .	. . .	. . .
27	Venus I, N.	6	53 57.26	+ 0.26	- 5.23	303 22 3.48	47.305	- 1 35.8	19.9	15 53 52.29	+ 0.28	- 17 39 32.0	. . .
28	Venus II, S.	5	53 58.24	+ 0.26	- 5.23	303 22 3.48	46.362	- 1 35.8	19.9	15 53 53.27	- 0.70	- 17 39 50.0	. . .
29	β Herculis	11	25 49.24	+ 0.19	- 5.21	342 44 5.80	44.042	- 19.6	19.7	16 25 . . .	. . .	. . .	. . .
30	η Herculis	11	39 23.89	+ 0.12	- 5.19	0 8 2.32	43.743	+ 0.2	18.0	16 39 . . .	. . .	. . .	. . .
31	α^1 Herculis	11	9 58.61	+ 0.21	- 5.31	335 32 10.52	43.115	- 28.7	21.0	17 9 . . .	. . .	. . .	. . .
32	α Ophiuchi	11	30 10.56	+ 0.21	- 5.22	333 40 6.70	42.162	- 31.2	19.5	17 30 . . .	. . .	. . .	. . .
January 4, S.													
33	Sun I, S.	7	59 19.42	+ 0.26	- 5.27	298 2 2.72	46.435	- 1 57.7	19.9	18 59 14.41	+ 71.05	- 23 0 9.4	. . .
34	Sun II, N.	11	1 41.53	+ 0.26	- 5.28	298 34 4.00	48.398	- 1 55.1	19.9	19 1 36.51	- 71.05	- 22 27 31.6	. . .
35	δ Draconis	11	12 33.53	- 0.23	[- 5.31]	28 28 . . .	. . .	. . .	. . .	19 12 . . .	. . .	. . .	. . .
36	α Aquilæ	11	45 46.76	+ 0.22	- 5.34	329 36 1.60	47.590	- 36.8	19.8	19 45 . . .	. . .	. . .	. . .
37	γ Cygni	11	18 33.27	+ 0.12	- 5.19	0 56 1.60	45.318	+ 1.1	19.9	20 18 . . .	. . .	. . .	. . .
38	ϵ Delphini	8	28 18.94	+ 0.22	- 5.35	331 58 . . .	. . .	. . .	. . .	20 28 . . .	. . .	. . .	. . .
39	β Andromedæ	11	3 59.80	+ 0.07	- 5.17	356 4 9.60	48.270	- 4.3	19.3	1 3 . . .	. . .	. . .	. . .
40	θ^1 Ceti	11	18 55.23	+ 0.06	- 5.08	312 18 10.58	46.595	- 1 9.4	19.3	1 13 . . .	. . .	. . .	. . .
41	α Ursæ Minoris	8	20 53.56	- 5.87	[- 5.10]	49 44 . . .	. . .	. . .	. . .	1 20 . . .	. . .	. . .	. . .
42	β Arietis	11	48 59.41	+ 0.08	- 5.17	341 18 10.35	48.419	- 21.4	20.2	1 48 . . .	. . .	. . .	. . .
43	α Tauri	11	30 3.85	+ 0.08	[- 5.16]	337 20 9.75	42.401	- 26.6	18.9	4 29 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
1 16 52	29.930	31.5	30.7	5.33.	Bisections at I, II.	5	+	7.9	-16 16.6	-16 8.7
2 18 52	29.850	38.5	38.2	6, 12, 15, 34.	Bisections at VI, VII.	6	+	7.9	+16 16.6	+16 24.5
19 26	29.826	40.0	39.3	18, 26, 31.	Bisections at II, VI, VII.	7	+	5.8	0.0	+ 5.8
19 45	29.814	40.5	40.4		Bisections at II, VI.	17	+	0.1	. . .	+ 0.1
21 26	29.790	47.5	46.3	27.	Bisections at I, VII.	27	+	7.8	- 9.1	- 1.1
3 3 47	29.840	24.9	22.6	30.	Bisections at I, VI, VII.	28	+	7.8	+ 9.1	+ 16.9
4 59	29.830	23.8	21.3			33	+	7.9	+16 18.9	+16 26.8
8 26	29.820	19.5	17.6			34	+	7.9	-16 18.9	-16 11.0
9 40	29.864	18.4	16.8							
10 14	29.870	18.0	16.2							
15 50	30.032	12.9	10.9							
16 47	30.060	14.8	11.7							
17 36	30.063	16.4	12.2							
19 1	30.040	16.5	12.8							
19 58	30.020	17.0	13.7							
20 28	30.022	17.6	14.2							
0 58	30.088	13.1	11.8							
2 16	30.102	11.9	10.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.								
			m s	s	s	° ' "	rev.	' "	h m s	s	° ' "	' "
1	Neptune C.					342 16 10.05	42.416	- 20.3	19.2	4 59 . .	+ 21 14 16.7	. .
2	γ Cancri	11	26 48.88	+ 0.08	- 5.23	341 48 8.22	46.783	- 20.9	17.2	8 26 . .	. .	. .
3	Jupiter I, N.	6	36 40.75	+ 0.08	- 5.26	340 14 9.92	50.475	- 22.8	19.2	8 36 35.57	+ 1.59	+ 19 14 48.7
4	Jupiter II, S.	5	36 43.92	+ 0.08	- 5.26	340 14 9.92	48.202	- 22.8	19.2	8 36 38.74	- 1.58	+ 19 14 5.0
5	Moon II, S.	11	4 5.00	+ 0.07	- 5.31	325 22 9.05	36.200	- 43.9	19.2	11 3 59.76	- 67.80	+ 4 17 53.1
6	δ Leonis	11	8 41.30	+ 0.08	- 5.33	342 8 9.18	39.942	- 20.4	19.0	11 8 . .	. .	. .
7	δ Crateris	11	14 14.58	+ 0.04	- 5.24	306 48 9.45	48.425	- 24.6	20.4	11 14 . .	. .	. .
8	τ Leonis	11	22 41.72	+ 0.07	- 5.39	324 28 9.05	41.808	- 45.3	18.9	11 22 . .	. .	. .
January 7, P.												
9	Venus C.					302 22 1.90	45.168	- 1 36.5	21.4	16 13 . .	- 18 40 16.7	. .
10	α Scorpii	11	23 7.83	+ 0.55	- 7.20	294 50 4.10	47.345	- 2 11.6	22.0	16 23 . .	. .	. .
11	η Herculis	11	39 25.93	+ 0.10	- 7.11	0 8 . .	. .	. .	. .	16 39 . .	. .	. .
12	ε Ursæ Minoris	8	56 39.26	+ 3.15	- 7.11	43 12 . .	. .	. .	. .	16 56 . .	. .	. .
13	α ¹ Herculis	11	10 0.37	+ 0.32	- 7.09	335 32 2.95	43.492	- 27.8	21.4	17 9 . .	. .	. .
14	α Ophiuchi	11	30 12.35	+ 0.34	- 7.06	333 40 4.35	42.291	- 30.2	21.6	17 30 . .	. .	. .
January 8, P.												
15	Sun I, S.	11	16 53.26	+ 0.53	- 7.17	298 32 4.35	43.010	- 1 51.0	21.4	19 16 46.62	+ 70.62	22 31 8.3
16	Sun II, N.	11	19 14.50	+ 0.53	- 7.17	299 4 2.82	44.898	- 1 48.5	21.4	19 19 7.86	- 70.62	- 21 58 34.8
17	Mercury C, C.	11	8 39.25	+ 0.53	- 7.19	298 46 2.75	43.251	- 1 49.6	21.4	20 8 32.59	+ 0.01	- 22 17 5.7
18	β Aquarii	11	26 11.32	+ 0.45	- 7.22	315 0 3.95	44.618	- 1 0.1	21.5	21 26 . .	. .	. .
19	ε Pegasi	11	39 10.81	+ 0.36	- 7.13	330 26 2.30	42.325	- 34.1	20.6	21 39 . .	. .	. .
20	α Aquarii	10	0 33.01	+ 0.42	- 7.31	320 12 2.10	44.984	- 50.1	21.4	22 0 . .	. .	. .
January 9, K.												
21	Venus II, S.	11	22 56.64	+ 0.29	- 7.60	301 54 5.22	45.010	- 1 36.0	22.8	16 22 49.33	- 0.61	- 19 8 17.3
22	β Herculis	11	25 51.85	+ 0.17	- 7.64	342 44 0.92	44.354	- 18.6	23.4	16 25 . .	. .	. .
23	ξ Ophiuchi	9	31 32.70	+ 0.27	- 7.56	310 40 6.00	46.026	- 1 9.6	23.6	16 31 . .	. .	. .
24	η Herculis	11	39 26.52	+ 0.07	- 7.61	0 8 5.72	43.695	+ 0.2	21.3	16 39 . .	. .	. .
January 10, K.												
25	ο Piscium	11	40 2.01	+ 0.15	- 7.44	329 40 11.25	43.038	- 35.2	24.0	1 39 . .	. .	. .
26	β Arietis	11	49 1.75	+ 0.12	- 7.62	341 17 57.20	49.278	- 20.3	21.9	1 48 . .	. .	. .
27	B. D. + 6°, 316	8	55 23.02	+ 0.16	- 7.56	327 48 3.55	48.968	- 37.9	23.9	1 55 15.62	- 0.74	+ 6 47 55.3
28	B. D. + 6°, 319	11	57 17.79	+ 0.15	- 7.56	328 11 50.65	45.970	- 37.3	23.9	1 57 10.38	- 0.75	+ 7 10 42.2
29	ξ ¹ Ceti	11	7 37.43	+ 0.15	- 7.55	329 22 4.82	48.029	- 35.6	24.3	2 7 . .	. .	. .
30	ξ ² Ceti	11	22 46.10	+ 0.15	- 7.62	329 0 4.55	48.371	- 36.2	23.4	2 22 . .	. .	. .
31	α Ceti	11	56 59.06	+ 0.16	- 7.55	324 42 0.80	46.559	- 42.7	23.4	2 56 . .	. .	. .
32	48 H. Cephei	6	7 19.06	- 0.94	- 8.01	38 22 3.98	43.270	+ 48.0	[21.7]	3 7 . .	. .	. .
33	ε Tauri	11	22 41.57	+ 0.12	- 7.49	339 58 3.75	45.745	- 22.1	22.6	4 22 . .	. .	. .
34	α Tauri	11	30 6.15	+ 0.13	- 7.52	337 20 3.58	42.865	- 25.3	23.2	4 29 . .	. .	. .
35	ι Aurigæ	11	50 22.55	+ 0.07	- 7.52	354 0 2.22	48.685	- 6.3	24.9	4 50 . .	. .	. .
36	ε Ursæ Minoris S. P.	5	56 35.04	+ 2.50	- 8.35	58 46 2.32	47.915	+ 1 40.4	[23.8]	16 56 . .	. .	. .
37	Neptune C, C.	11	59 1.74	+ 0.12	- 7.54	342 13 58.02	47.520	- 19.4	23.9	4 58 54.32	. .	+ 21 13 38.7
38	β Tauri	11	19 52.56	+ 0.09	- 7.63	349 31 59.08	46.119	- 11.2	24.4	5 19 . .	. .	. .
January 11, P.												
39	ι Aurigæ	11	50 23.23	+ 0.18	- 8.32	354 0 1.92	48.510	- 6.3	21.3	4 50 . .	. .	. .
40	ε Ursæ Minoris S. P.	5	56 34.96	+ 2.65	- 8.34	58 46 . .	. .	. .	. .	16 56 . .	. .	. .
41	Neptune C, C.	11	58 56.73	+ 0.24	- 8.35	342 13 59.78	47.036	- 19.4	21.8	4 58 48.62	. .	21 13 33.3
42	β Tauri	11	19 53.23	+ 0.21	- 8.42	349 32 0.38	45.892	- 11.2	21.3	5 19 . .	. .	. .
43	δ Orionis	11	26 51.34	+ 0.29	- 8.28	320 40 3.08	42.061	- 49.9	21.9	5 26 . .	. .	. .
44	φ Geminorum	11	47 18.38	+ 0.21	- 8.28	348 3 59.75	42.209	- 12.9	21.7	7 47 . .	. .	. .
45	η Cancri	11	26 51.87	+ 0.24	- 8.24	341 50 2.20	41.018	- 20.0	22.6	8 26 . .	. .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°					' "	' "	' "	' "
4 4 35	30.074	9.9	8.7	2, 19.	Bisections at II, VI, VII.		1	+ 0.1	. .	. .	+ 0.1
4 4 59	30.074	9.9	8.7	3.	Bisections at II, VI.		3	+ 0.7	- 21.8	. .	- 21.1
8 36	30.040	9.5	8.7	4.	Bisections at I, VII.		4	+ 0.7	+ 21.9	. .	+ 22.6
11 20	30.025	9.7	9.5	5.	Bisections at III, IV, V.		5	+ 33 41.5	+ 16 17.1	. .	+ 49 58.6
7 16 13	29.930	24.5	23.4	6, 7, 13, 15, 24, 28.	Bisections at VI, VII.		9	+ 7.6	. .	+ 0.6	+ 8.2
17 9	29.940	27.0	25.1	14, 27.	Bisections at I, II.		15	+ 7.9	+ 16 16.7	. .	+ 16 24.6
8 19 19	29.876	29.8	28.5	32.	Bisections at II, III.		16	+ 7.8	- 16 16.7	. .	- 16 8.9
20 8	29.868	30.5	29.7	36.	Bisection at IV.		17	+ 5.9	. .	0.0	+ 5.9
21 26	29.846	32.5	31.4				21	+ 7.5	+ 8.6	. .	+ 16.1
22 0	29.848	33.0	31.5				37	+ 0.1	. .	. .	+ 0.1
9 16 22	29.830	31.9	32.6				41	+ 0.1	. .	. .	+ 0.1
17 0	29.800	35.0	35.5								
10 3 5	29.836	30.2	29.5								
4 14	29.860	28.8	27.6								
5 19	29.864	27.3	26.6								
4 50	29.896	27.5	26.7								
5 26	29.888	28.0	26.4								
7 47	29.842	26.0	23.4								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Jupiter I, S.	8	13 15.89	+ 0.24	- 8.24	340 30 2.65	41.845	- 21.6	21.8	8 33 7.89	+ 1.60	+ 19 27 54.4	. .
2	Jupiter II, N.	8	33 19.09	+ 0.24	- 8.24	340 30 2.65	44.115	- 21.6	21.8	8 33 11.09	- 1.60	+ 19 28 38.0	. .
3	ε Hydræ	11	41 26.00	+ 0.28	- 8.22	327 50 3.80	43.021	- 38.4	22.3	8 41 . . .	. .		. .
January 13, L.													
4	ε Tauri	11	22 42.71	+ 0.14	- 8.67	339 58 0.45	45.920	- 21.8	23.0	4 22 . . .	. .		. .
5	α Tauri	11	30 7.41	+ 0.15	- 8.81	337 20 4.00	42.796	- 25.0	22.7	4 29 . . .	. .		. .
6	ι Aurigæ	11	50 23.84	+ 0.07	- 8.82	354 0 1.35	48.615	- 6.2	22.7	4 50 . . .	. .		. .
7	ε Ursæ Minoris S. P. . .	11	58 46.20	+ 0.13	- 8.78	342 13 57.68	46.616	- 19.2	23.2	4 58 37.55	. .	+ 21 13 21.9	. .
8	β Tauri	11	19 53.70	+ 0.10	- 8.78	349 31 58.80	46.066	- 11.1	23.1	5 19 . . .	. .		. .
9	λ Ursæ Minoris S. P. . .	5	25 8.24	+ 19.89	[- 8.85]	52 0 1.65	47.358	+ 17.2	22.8	19 25 . . .	. .		. .
10	β Geminorum	11	39 8.35	+ 0.10	- 8.93	349 18 0.08	43.911	- 11.3	23.2	7 38 . . .	. .		. .
11	φ Geminorum	11	47 19.20	+ 0.10	- 8.96	348 4 0.05	42.259	- 12.7	23.2	7 47 . . .	. .		. .
12	η Cancri	11	26 52.74	+ 0.13	- 8.96	341 49 59.20	41.244	- 19.8	24.2	8 26 . . .	. .		. .
13	Jupiter I, S.	6	32 14.13	+ 0.14	- 8.97	340 33 59.00	42.250	- 21.3	23.2	8 32 5.30	+ 1.64	+ 19 31 57.4	. .
14	Jupiter II, N.	5	32 17.42	+ 0.14	- 8.97	340 33 59.00	44.545	- 21.3	23.2	8 32 8.59	- 1.65	+ 19 32 41.5	. .
15	ε Hydræ	11	41 26.85	+ 0.18	- 8.93	327 49 58.88	43.312	- 38.0	23.9	8 41 . . .	. .		. .
January 13, S.													
17	α Scorpii	11	23 10.00	+ 0.34	- 8.97	294 50 11.92	46.945	- 2 10.6	23.5	16 23 . . .	. .		. .
18	ζ Ophiuchi	11	31 34.19	+ 0.32	- 8.99	310 40 9.48	45.812	- 1 10.7	22.3	16 31 . . .	. .		. .
19	η Herculis	11	39 27.85	+ 0.15	- 8.92	0 8 10.65	43.295	+ 0.2	23.0	16 39 . . .	. .		. .
20	Venus I, N.	6	42 40.03	+ 0.33	- 8.94	301 4 8.48	44.998	- 1 40.6	22.7	16 42 31.42	+ 0.24	- 19 58 18.9	. .
21	Venus II, S.	5	42 40.82	+ 0.33	- 8.94	301 4 8.48	44.112	- 1 40.6	22.7	16 42 32.21	+ 0.55	- 19 58 35.7	. .
22	ε Ursæ Minoris	9	56 40.11	- 1.69	[- 8.94]	43 12 11.15	44.378	+ 57.3	[23.6]	16 56 . . .	. .		. .
23	α Herculis	11	10 2.39	+ 0.26	- 8.91	335 32 9.22	43.075	- 27.6	22.8	17 9 . . .	. .		. .
24	α Ophiuchi	11	30 14.43	+ 0.27	- 8.94	333 40 8.45	42.041	- 30.0	22.3	17 30 . . .	. .		. .
January 14, S.													
25	Sun I, S.	11	42 57.75	+ 0.34	- 9.01	299 28 2.82	44.282	- 1 46.9	21.9	19 42 49.08	+ 70.26	- 21 34 41.7	. .
26	Sun II, N.	11	45 18.28	+ 0.34	- 9.01	300 0 12.10	45.698	- 1 44.6	21.9	19 45 9.61	- 70.27	- 21 2 6.9	. .
27	Mercury C, C.	11	48 52.86	+ 0.33	- 9.03	301 30 8.08	45.118	- 1 38.5	21.7	20 48 44.16	+ 0.03	- 19 32 13.8	. .
28	ζ Cygni	11	8 38.31	+ 0.20	- 9.06	350 48 8.85	47.459	- 9.7	21.9	21 8 . . .	. .		. .
29	ι Pegasi	11	17 24.55	+ 0.24	- 9.04	340 22 8.28	46.663	- 21.6	21.4	21 17 . . .	. .		. .
30	ε Pegasi	11	39 12.78	+ 0.28	- 9.02	330 24 8.40	48.234	- 34.4	21.1	21 39 . . .	. .		. .
31	B. D. + 6°, 316	8	55 24.45	+ 0.08	- 8.82	327 48 8.45	48.660	- 38.5	21.6	1 55 15.71	- 0.72	+ 6 47 56.0	- 5.8
32	B. D. + 6°, 319	11	57 19.20	+ 0.08	- 8.82	328 12 8.30	44.772	- 37.9	21.6	1 57 10.46	- 0.72	+ 7 10 41.9	- 5.8
33	α Ceti	11	22 47.24	+ 0.08	- 8.73	329 0 8.10	48.104	- 36.8	21.4	2 22 . . .	. .		. .
34	α Ceti	11	57 0.34	+ 0.07	- 8.78	324 42 2.02	46.448	- 43.4	22.1	2 56 . . .	. .		. .
35	ε Tauri	11	22 42.76	+ 0.08	- 8.66	339 58 9.42	45.410	- 22.4	21.6	4 22 . . .	. .		. .
36	α Tauri	11	30 7.47	+ 0.08	- 8.81	337 20 9.08	42.534	- 25.7	22.0	4 29 . . .	. .		. .
37	Neptune C.	. . .	. . .	. . .	. . .	342 14 5.88	45.908	- 19.7	21.6	4 58 . . .	. .	+ 21 13 16.0	. .
38	η Cancri	11	26 52.69	+ 0.09	- 8.86	341 50 9.10	40.585	- 20.2	21.2	8 26 . . .	. .		. .
39	Jupiter I, N.	6	31 42.45	+ 0.09	- 8.84	340 36 9.42	44.060	- 21.7	21.6	8 31 33.70	+ 1.70	+ 19 34 43.9	. .
40	Jupiter II, S.	5	31 45.84	+ 0.09	- 8.84	340 36 9.42	47.820	- 21.7	21.6	8 31 37.09	- 1.69	+ 19 34 0.7	. .
41	ε Hydræ	11	41 26.88	+ 0.08	- 8.84	327 50 8.68	42.910	- 38.8	[23.4]	8 41 . . .	. .		. .
42	12 Year Cat. 1879 S. P. .	11	52 16.31	+ 0.89	[- 8.83]	60 50 9.82	41.795	+ 1 50.8	[22.7]	20 52 . . .	. .		. .
43	κ Cancri	11	2 17.62	+ 0.08	- 8.82	332 6 8.82	46.018	- 32.7	21.5	9 2 . . .	. .		. .
January 14, P.													
44	Venus II, C.	11	47 39.98	+ 0.40	- 9.42	300 52 1.80	46.931	- 1 42.8	22.3	16 47 30.96	- 0.59	- 20 9 50.2	. .
45	κ Ophiuchi	11	52 53.35	+ 0.34	- 9.42	330 34 0.62	42.860	- 34.8	22.4	16 52 . . .	. .		. .
46	ε Ursæ Minoris	8	56 40.62	- 1.63	[- 9.42]	43 12 1.62	44.742	+ 58.1	[22.8]	16 56 . . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.						No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°							' "	' "	"	' "
11 8 41	29.840	26.0	24.6	1, 14, 21, 40. Bisections at I, VII.					1	+	0.7	+ 21.8	. + 22.5
13 4 22	29.832	34.1	33.5	2, 15, 20, 39. Bisections at II, VI.					2	+	0.7	- 21.8	. - 21.1
5 16	29.846	32.9	31.7	7. Bisection at III.					8	+	0.1	. . .	. + 0.1
6 32	29.850	32.5	31.8	10. Bisections at D ₁ , B ₃ .					14	+	0.7	+ 22.0	. + 22.7
7 23	29.856	32.2	31.5	19, 25, 31, 32. Bisections at I, II.					15	+	0.7	- 22.1	. - 21.4
8 41	29.860	30.8	29.9	22, 42. Bisections at III, V.					20	+	7.4	- 8.5	+ 0.2 - 0.9
16 30	29.988	28.5	28.3	26, 37, 41. Bisections at VI, VII.					21	+	7.4	+ 8.5	. + 15.9
17 33	30.020	31.9	29.7	29. Bisections at II, VI, VII.					25	+	7.8	+ 16 17.4	. + 16 25.2
19 45	30.032	33.0	30.4	46. Bisections at C ₂ , C ₃ , C ₄ .					26	+	7.7	- 16 17.3	. - 16 9.6
20 54	30.030	33.4	30.9						27	+	6.4	. . .	. + 6.5
21 44	30.038	33.6	30.5						37	+	0.1	. . .	. + 0.1
1 46	30.102	27.9	27.3						39	+	0.7	- 21.6	. - 20.9
3 1	30.118	27.0	26.4						40	+	0.7	+ 21.6	. + 22.3
4 18	30.138	25.6	24.6						44	+	7.4	. . .	. + 7.8
5 5	30.150	25.6	24.6										
8 30	30.154	24.5	23.8										
9 7	30.160	23.8	23.3										
16 47	30.236	25.0	25.6	31, 32. Two microscopes read.									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^1 Herculis	11	10 2.88	+ 0.32	- 9.44	335 32 2.80	43.379	- 28.0	22.3	17 9 . .	. .		. .
2	α Ophiuchi	11	30 14.88	+ 0.33	- 9.42	333 40 4.20	42.269	- 30.4	22.3	17 30 . .	. .		. .
January 15, P.													
3	Sun I, N.	11	47 16.58	+ 0.40	- 9.47	300 10 13.65	48.042	- 1 44.5	22.3	19 47 7.51	+ 70.11	- 20 51 16.8	. .
4	Sun II, S.	11	49 36.79	+ 0.40	- 9.47	299 38 4.62	47.142	- 1 46.8	22.3	19 49 27.72	- 70.10	- 21 23 49.1	. .
5	Mercury C, C.	11	55 11.45	+ 0.40	- 9.49	302 2 3.15	45.264	- 1 36.8	22.3	20 55 2.36	+ 0.03	- 19 0 14.8	. .
6	α Tauri	11	30 8.14	+ 0.22	- 9.62	337 20 6.28	42.630	- 25.6	21.2	4 29 . .	. .		. .
7	ι Aurigæ	11	50 24.52	+ 0.16	- 9.60	354 0 3.28	48.428	- 6.4	20.7	4 50 . .	. .		. .
8	ϵ Ursæ Minoris s. p.	8	56 36.79	+ 2.46	- 9.63	58 46 . .	. .	. .	. .	16 56 . .	. .		. .
9	Neptune C, C.	11	58 36.39	+ 0.21	- 9.63	342 14 1.70	45.721	- 19.6	21.1	4 58 26.97	. .	+ 21 13 10.5	. .
10	β Tauri	11	19 54.51	+ 0.18	- 9.67	349 32 1.28	45.866	- 11.3	21.5	5 19 . .	. .		. .
January 15, L.													
11	Venus I, N.	6	52 39.12	+ 0.29	- 9.58	300 41 58.22	44.890	- 1 43.8	22.2	16 52 29.83	+ 0.26	- 20 20 33.7	. .
12	Venus II, S.	5	52 39.98	+ 0.29	- 9.58	300 41 58.22	44.118	- 1 43.8	22.2	16 52 30.69	- 0.60	- 20 20 48.7	. .
13	α^1 Herculis	11	10 3.16	+ 0.19	- 9.57	335 32 3.80	43.359	- 28.1	22.9	17 9 . .	. .		. .
14	α Ophiuchi	11	30 15.17	+ 0.20	- 9.56	333 40 4.08	42.301	- 30.5	22.9	17 30 . .	. .		. .
15	μ Herculis	11	42 31.94	+ 0.13	- 9.61	348 48 5.80	43.444	- 12.1	21.8	17 42 . .	. .		. .
16	γ Draconis	11	54 19.48	- 0.09	- 9.56	12 30 6.22	45.648	+ 13.7	[20.5]	17 54 . .	. .		. .
17	α Lyrae	11	33 33.35	+ 0.05	- 9.67	359 42 5.70	43.970	- 0.3	21.7	18 33 . .	. .		. .
January 16, L.													
18	Sun I, S.	11	51 34.56	+ 0.29	- 9.67	299 50 9.80	44.312	- 1 44.9	22.2	19 51 25.18	+ 69.98	- 21 12 32.4	. .
19	Sun II, N.	11	53 54.51	+ 0.29	- 9.67	300 22 1.80	46.590	- 1 42.7	22.2	19 53 45.13	- 69.97	- 20 39 58.5	. .
20	γ Cygni	11	18 37.92	+ 0.04	- 9.75	0 56 7.52	44.952	+ 1.1	22.3	20 18 . .	. .		. .
21	α Cygni	11	38 1.13	- 0.01	- 9.69	5 56 6.68	42.006	+ 6.3	22.0	20 37 . .	. .		. .
22	α Cephei	11	16 12.84	+ 0.31	- 9.74	23 8 8.15	47.972	+ 25.7	[20.4]	21 16 . .	. .		. .
23	ϵ Pegasi	6	39 13.52	+ 0.21	- 9.69	330 24 6.05	48.460	- 33.9	22.2	21 39 . .	. .		. .
24	ζ Pegasi	11	36 25.55	+ 0.21	- 9.71	331 18 1.45	46.859	- 32.6	22.0	22 36 . .	. .		. .
25	α Tauri	11	30 8.17	+ 0.14	- 9.59	337 20 7.52	42.570	- 25.2	21.8	4 29 . .	. .		. .
26	ι Aurigæ	11	50 24.69	+ 0.09	- 9.70	354 0 4.45	48.422	- 6.3	21.8	4 50 . .	. .		. .
27	Neptune C, C.	11	58 31.16	+ 0.12	- 9.71	342 14 5.00	45.352	- 19.3	22.2	4 58 21.57	. .	+ 21 13 5.9	. .
28	β Orionis	11	9 43.64	+ 0.16	- 9.75	312 42 4.72	46.615	- 1 5.5	21.6	5 9 . .	. .		. .
29	β Tauri	11	19 54.70	+ 0.10	- 9.80	349 32 6.32	45.640	- 11.1	22.3	5 19 . .	. .		. .
30	Groombridge 966	11	26 5.00	- 0.60	- 9.74	35 58 8.40	47.192	+ 44.2	[22.2]	5 25 . .	. .		. .
31	λ Ursæ Minoris s. p.	5	25 14.02	+ 14.31	- 9.73	52 0 5.78	47.125	+ 1 17.8	[22.0]	19 25 . .	. .		. .
32	β Geminorum	11	39 9.26	+ 0.11	- 9.82	349 18 5.05	43.619	- 11.4	22.5	7 38 . .	. .		. .
33	ϕ Geminorum	11	47 20.03	+ 0.11	- 9.75	348 4 5.32	41.924	- 12.8	21.9	7 47 . .	. .		. .
34	η Cancri	7	26 53.77	+ 0.13	- 9.94	341 50 4.98	40.802	- 19.8	23.3	8 26 . .	. .		. .
35	Jupiter I, S.	6	30 39.33	+ 0.13	- 9.83	340 40 5.35	42.335	- 21.2	22.2	8 30 29.63	+ 1.59	+ 19 38 6.4	. .
36	Jupiter II, N.	5	30 42.50	+ 0.13	- 9.83	340 40 5.35	44.572	- 21.2	22.2	8 30 32.80	- 1.58	+ 19 38 49.5	. .
37	ϵ Hydræ	11	41 27.76	+ 0.15	- 9.76	327 50 5.00	42.924	- 38.0	22.6	8 41 . .	. .		. .
January 17, K.													
38	ι Aurigæ	11	50 24.95	+ 0.08	- 9.95	354 0 2.18	48.712	- 6.2	23.5	4 50 . .	. .		. .
39	ϵ Ursæ Minoris s. p.	3	56 37.68	+ 2.48	- 10.35	58 46 2.38	48.115	+ 1 38.6	[23.6]	16 56 . .	. .		. .
40	Neptune C, C.	11	58 26.78	+ 0.13	- 10.03	342 14 13.38	44.790	- 19.1	23.2	4 58 16.88	. .	+ 21 13 1.0	. .
41	β Orionis	11	9 43.89	+ 0.19	- 10.03	312 42 2.68	46.770	- 1 4.6	23.7	5 9 . .	. .		. .
42	β Tauri	11	19 54.98	+ 0.10	- 10.08	349 32 2.80	45.878	- 11.0	23.4	5 19 . .	. .		. .
43	δ Orionis	11	26 53.23	+ 0.18	- 10.07	320 40 1.50	42.142	- 49.0	23.6	5 26 . .	. .		. .
44	ϵ Orionis	11	31 7.77	+ 0.18	- 10.02	319 46 2.55	43.601	- 50.5	23.3	5 30 . .	. .		. .
45	λ Ursæ Minoris s. p.	3	25 12.13	+ 16.40	- 10.01	52 0 1.82	47.475	+ 1 17.3	[23.5]	19 25 . .	. .		. .
46	β Geminorum	11	39 9.45	+ 0.10	- 9.99	349 18 2.72	43.738	- 11.3	22.4	7 38 . .	. .		. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°	°				' "	' "	"	' "
14 17 9	30.252	27.0	26.9	3, 18, 34.	Bisections at I, II.	3	+	7.7	- 16 16.1	. .	- 16 8.4
15 17 30	30.256	28.5	28.1	4, 19, 23, 38, 40.	Bisections at VI, VII.	4	+	7.8	+ 16 16.1	. .	+ 16 23.9
15 19 49	30.234	32.0	30.8	11, 35.	Bisections at I, VII.	5	+	6.4		+ 0.1	+ 6.5
20 55	30.218	34.0	32.4	12, 36.	Bisections at II, VI.	9	+	0.1		. .	0.1
4 29	30.228	28.5	27.7	31.	Bisections at D ₁ , B ₃ .	11	+	7.4	7.5	. .	0.1
4 58	30.236	29.5	28.9	39.	Bisection at C ₅ .	12	+	7.4	+ 7.5	. .	+ 14.9
5 19	30.240	28.5	27.9	45.	Bisections at C ₁ , B ₃ .	18	+	7.8	+ 16 16.9	. .	+ 16 24.7
16 50	30.180	24.2	23.5			19	+	7.7	- 16 16.9	. .	- 16 9.2
17 30	30.190	26.8	25.6			27	+	0.1		. .	+ 0.1
19 53	30.112	34.9	33.7			35	+	0.7	+ 21.6	. .	+ 22.3
20 37	30.093	36.9	36.2			36	+	0.7	- 21.5	. .	- 20.8
21 39	30.080	38.2	38.5			40	+	0.1		. .	+ 0.1
22 36	30.068	39.4	38.8								
4 29	30.010	33.0	32.2								
5 25	30.024	33.0	30.9								
7 16	30.009	31.9	30.4								
7 47	29.986	31.9	30.4								
8 41	29.956	31.9	31.1								
17 4 50	29.850	36.8	35.5								
5 31	29.800	35.5	34.5								
7 39	29.834	32.2	30.9								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.				CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instrum.	Clock.									
			m s	s	s	° ' "	rev.	' "	' "	' "	h m s	s	° ' "	' "
1	ϕ Geminorum . . .	11	47 20.31	+ 0.11	-10.02	348 4 4.82	41.942	- 12.7	21.9	7 47 . .	. .	. .	. .	. .
2	η Cancri . . .	11	26 53.85	+ 0.13	-10.00	341 50 2.30	41.041	- 19.7	23.7	8 26 . .	. .	. .	. .	. .
3	Jupiter I, S. . .	6	30 7.26	+ 0.14	-10.01	340 42 3.22	42.570	- 21.1	23.2	8 29 57.39	+ 1.61	+ 19 40 7.9	. .	. .
4	Jupiter II, N. . .	5	30 10.48	+ 0.14	-10.01	340 42 3.22	44.832	- 21.1	23.2	8 30 0.61	- 1.61	+ 19 40 51.5	. .	. .
5	ϵ Hydrae . . .	11	41 28.04	+ 0.17	-10.05	327 50 2.85	43.055	- 37.9	23.3	8 41 . .	. .	. .	. .	. .
January 17, S.														
6	η Herculis . . .	11	39 29.15	+ 0.05	-10.00	0 8 1.82	43.755	+ 0.2	21.9	16 39 . .	. .	. .	. .	. .
7	κ Ophiuchi . . .	11	52 54.24	+ 0.19	-10.08	330 34 3.98	42.625	- 33.9	22.7	16 52 . .	. .	. .	. .	. .
8	ϵ Ursæ Minoris . . .	7	56 42.00	- 2.08	-10.06	43 12 2.52	44.708	+ 56.6	[22.3]	16 56 . .	. .	. .	. .	. .
9	Venus I, N. . .	6	2 42.18	+ 0.25	-10.07	300 22 3.82	43.922	- 1 42.0	21.6	17 2 32.36	+ 0.29	- 20 40 44.4	. .	. .
10	Venus II, S. . .	5	2 43.12	+ 0.25	-10.07	300 22 3.82	42.980	- 1 42.0	21.6	17 2 33.30	- 0.65	- 20 41 2.4	. .	. .
11	α Ophiuchi . . .	11	30 15.74	+ 0.15	-10.07	333 40 9.12	41.929	- 29.6	22.2	17 30 . .	. .	. .	. .	. .
12	μ Herculis . . .	11	42 32.55	+ 0.12	-10.17	348 48 2.70	43.549	- 11.8	21.5	17 42 . .	. .	. .	. .	. .
13	δ Ursæ Minoris . . .	6	5 41.18	- 5.33	-10.15	47 36 0.48	45.560	+ 1 5.4	[23.1]	18 5 . .	. .	. .	. .	. .
January 18, S.														
14	Sun I, S. . .	11	0 8.05	+ 0.25	-10.18	300 14 3.20	43.640	- 1 40.9	21.6	19 59 58.12	+ 69.88	- 20 48 47.3	. .	. .
15	Sun II, N. . .	11	2 27.80	+ 0.25	-10.18	300 46 5.65	45 318	- 1 38.8	21.6	20 2 17.87	- 69.87	- 20 16 14.5	. .	. .
16	ζ Cygni . . .	11	8 39.57	+ 0.11	-10.22	350 48 4.95	47.590	- 9.4	21.8	21 8 . .	. .	. .	. .	. .
17	ϵ Pegasi . . .	11	39 14.07	+ 0.19	-10.23	330 26 4.65	42.155	- 33.2	20.8	21 39 . .	. .	. .	. .	. .
18	ζ Pegasi . . .	11	36 26.14	+ 0.19	-10.28	331 18 4.38	46.614	- 31.9	21.0	22 36 . .	. .	. .	. .	. .
19	Moon I . . .	11	51 31.03	+ 0.23	-10.29	314 0 . .	. .	. .	. .	22 51 20.97	+ 61.43	. .	. .	. .
20	α Pegasi . . .	11	59 44.51	+ 0.17	-10.31	335 40 4.28	44.695	- 26.4	21.1	22 59 . .	. .	. .	. .	. .
January 21, K.														
21	ι Aurigæ . . .	7	50 25.64	+ 0.10	-10.69	354 0 6.25	48.488	- 6.2	23.1	4 50 . .	. .	. .	. .	. .
22	ϵ Ursæ Minoris S. P. . .	3	56 40.07	+ 0.92	-10.77	58 46 5.85	48.000	+ 1 39.4	[24.6]	16 56 . .	. .	. .	. .	. .
23	Neptune C, C. . .	11	58 8.43	+ 0.10	-10.77	342 14 7.42	44.125	- 19.2	24.0	4 57 57.76	. .	+ 21 12 41.4	. .	. .
24	β Orionis . . .	11	9 44.71	+ 0.06	-10.74	312 42 1.18	46.858	- 1 5.1	23.9	5 9 . .	. .	. .	. .	. .
25	β Tauri . . .	11	19 55.65	+ 0.10	-10.77	349 32 3.48	45.888	- 11.1	24.1	5 19 . .	. .	. .	. .	. .
26	δ Orionis . . .	11	26 54.07	+ 0.07	-10.81	320 40 3.60	42.055	- 49.3	24.1	5 26 . .	. .	. .	. .	. .
27	ϵ Orionis . . .	11	31 8.68	+ 0.07	-10.84	319 46 4.25	43.584	- 50.9	24.6	5 30 . .	. .	. .	. .	. .
28	Jupiter I, N. . .	5	27 57.45	+ 0.10	-10.80	340 50 2.88	45.512	- 20.9	24.0	8 27 46.75	+ 1.61	+ 19 49 3.4	. .	. .
29	Jupiter II, S. . .	5	28 0.66	+ 0.10	-10.80	340 50 2.88	43.280	- 20.9	24.0	8 27 49.96	- 1.60	+ 19 48 20.8	. .	. .
30	ϵ Hydrae . . .	11	41 28.94	+ 0.08	-10.80	327 50 6.62	42.884	- 37.9	24.3	8 41 . .	. .	. .	. .	. .
January 24, P.														
31	α Ophiuchi . . .	11	30 17.79	+ 0.07	-11.83	333 40 4.60	42.169	- 29.0	24.2	17 30 . .	. .	. .	. .	. .
32	Venus II, C. . .	11	38 23.51	+ 0.13	-11.86	299 28 2.50	45.166	- 1 43.2	23.4	17 38 11.78	- 0.56	- 21 34 24.8	. .	. .
33	γ^2 Sagittarii . . .	11	59 18.89	+ 0.14	-11.83	290 38 3.32	43.996	- 2 33.8	23.3	17 59 . .	. .	. .	. .	. .
34	δ Ursæ Minoris . . .	8	5 44.13	- 5.45	-11.86	47 36 0.28	45.574	+ 1 4.2	[24.1]	18 5 . .	. .	. .	. .	. .
35	η Serpentis . . .	11	16 7.08	+ 0.10	-11.92	318 6 1.75	44.674	- 52.4	23.2	18 15 . .	. .	. .	. .	. .
January 25, P.														
36	Sun I, S. . .	11	29 41.65	+ 0.13	-11.90	301 47 59.75	46.805	- 1 32.9	23.4	20 29 29.88	+ 68.99	- 19 13 43.9	. .	. .
37	Sun II, N. . .	11	31 59.63	+ 0.13	-11.90	302 20 7.45	48.068	- 1 31.0	23.4	20 31 47.86	- 68.99	- 18 41 14.1	. .	. .
38	Mercury C, C. . .	11	43 59.51	+ 0.12	-11.93	307 44 1.08	46.186	- 1 14.1	23.4	21 43 47.70	+ 0.10	- 13 17 37.7	. .	. .
39	α Aquarii . . .	11	0 37.95	+ 0.10	-11.93	320 12 2.50	44.870	- 47.9	22.8	22 0 . .	. .	. .	. .	. .
January 26, L.														
40	Moon I, N. . .	11	29 24.13	+ 0.06	-11.96	349 17 58.32	49.280	- 11.1	24.9	5 29 12.23	+ 74.84	+ 28 18 20.2	. .	. .
41	α Orionis . . .	11	49 46.18	+ 0.10	-11.96	328 23 57.00	47.588	- 36.5	25.8	5 49 . .	. .	. .	. .	. .
42	ν Orionis . . .	11	1 51.83	+ 0.09	-11.91	335 48 0.28	45.604	- 26.7	24.2	6 1 . .	. .	. .	. .	. .
43	δ Ursæ Minoris S. P. . .	5	5 35.26	+ 3.73	-11.97	54 22 1.00	47.958	+ 1 23.1	[23.7]	18 5 . .	. .	. .	. .	. .
44	μ Geminorum . . .	11	16 54.16	+ 0.08	-11.98	343 36 0.38	42.548	- 17.5	23.9	6 16 . .	. .	. .	. .	. .
45	γ Geminorum . . .	11	31 56.27	+ 0.09	-12.02	337 29 59.88	40.880	- 24.6	25.6	6 31 . .	. .	. .	. .	. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°	°				' "	' "	' "	' "
17 8 41	29.820	31.3	30.1	30.1	3, 10, 28.	Bisections at I, VII.	3	+ 0.7	+ 21.8	. .	+ 22.5
16 49	29.872	32.1	32.1	32.1	4, 9, 29.	Bisections at II, VI.	4	+ 0.7	+ 21.8	. .	+ 21.1
18 37	29.880	37.5	39.3	39.3	6.	Bisections at II, VI, VII.	9	+ 7.3	- 9.0	. .	- 1.7
20 2	29.854	41.5	40.6	40.6	8, 13, 43.	Bisections at C ₁ , C ₅ .	10	+ 7.3	+ 9.0	. .	+ 16.3
21 14	29.823	44.0	43.3	43.3	14, 36.	Bisections at I, II.	14	+ 7.7	+ 16 16.4	. .	+ 16 24.1
22 42	29.808	46.0	45.4	45.4	15, 17, 21, 23, 37.	Bisections at VI, VII.	15	+ 7.7	- 16 16.4	. .	- 16 8.7
22 57	29.804	46.5	45.4	45.4	22.	Bisection at D ₁ .	23	+ 0.1	. .	. .	+ 0.1
21 4 55	29.964	33.8	33.5	33.5	34.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	28	+ 0.7	- 21.3	. .	- 20.6
5 33	29.962	33.8	33.3	33.3	40.	Bisections at III, IV, V.	29	+ 0.7	+ 21.3	. .	+ 22.0
8 20	29.972	32.9	32.0	32.0			32	+ 7.0	. .	+ 0.1	+ 7.1
24 17 30	29.734	41.0	42.2	42.2			36	+ 7.6	+ 16 14.9	. .	+ 16 22.5
18 16	29.750	44.5	44.1	44.1			37	+ 7.6	- 16 14.9	. .	- 16 7.3
25 20 31	29.765	48.9	49.2	49.2			38	+ 7.6	. .	+ 0.5	+ 8.1
21 43	29.756	51.0	51.8	51.8			40	+ 10 27.2	- 15 47.2	. .	- 5 20.0
22 0	29.754	52.0	51.6	51.6							
26 5 35	29.886	39.9	38.5	38.5							
6 31	29.886	38.9	37.7	37.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.		
			m	s	Instrument.	Clock.									o	'
1	Venus I, C.	9	48	40.83	+ 0.03	-12.11	299 17 58.05	45.315	- 1	46.9	23.7	17 48 28.75	+ 0.26	-21 44 30.4	. .	
2	Venus II	9	48	41.63	+ 0.03	-12.11						17 48 29.55	- 0.54		. .	
3	α Lyrae.	11	33	36.19	+ 0.02	-12.23	359 41 59.45	44.248	- 0.3	24.0	18 33				. .	
4	ζ Aquilæ	11	0	49.25	+ 0.04	-12.14	334 44 2.08	43.624	- 28.3	23.8	19 0				. .	
5	δ Draconis	11	12	40.83	+ 0.48	-12.16	28 28 3.62	47.134	+ 32.7	[22.6]	19 12				. .	
6	δ Aquilæ	10	20	46.81	+ 0.04	-12.12	323 56 1.62	44.275	- 43.6	24.0	19 20				. .	
7	γ Aquilæ	11	41	30.35	+ 0.04	-12.15	331 22 1.95	47.250	- 32.6	23.4	19 41				. .	
8	α Aquilæ	11	45	54.05	+ 0.04	-12.20	329 36 1.42	47.564	- 35.1	24.3	19 45				. .	
January 27, L.																
9	Sun I, N.	11	38	0.78	+ 0.03	-12.22	302 50 11.72	48.750	- 1	32.2	23.7	20 37 48.59	+68.91	18 10 54.7	. .	
10	Sun II, S.	11	40	18.59	+ 0.03	-12.22	302 18 10.15	47.365	- 1	34.1	23.7	20 40 6.40	-68.90	18 43 28.3	. .	
11	ζ Cygni	10	8	41.78	+ 0.01	-12.31	350 48 1.80	47.668	- 9.6	23.6	21 8				. .	
12	ε Pegasi	11	39	16.25	+ 0.04	-12.23	330 26				21 39				. .	
13	α Pegasi	11	59	46.55	+ 0.04	-12.26	335 40 0.95	44.919	- 26.9	22.7	22 59				. .	
14	ι Aurigæ	11	50	27.17	+ 0.07	-12.25	354 0 0.90	48.664	- 6.3	22.4	4 50				. .	
15	Neptune C, C.	11	57	44.54	+ 0.11	-12.26	342 14 0.98	43.286	- 19.3	23.2	4 57 32.39		+ 21 12 21.3		. .	
16	β Orionis	11	9	46.06	+ 0.15	-12.23	312 42 1.35	46.781	- 1	5.2	23.2	5 9			. .	
17	β Tauri	11	19	57.04	+ 0.08	-12.17	349 32 1.82	45.894	- 11.1	22.3	5 19				. .	
18	ν Orionis	11	1	52.10	+ 0.12	-12.22	335 48 0.58	45.535	- 27.1	22.9	6 1				. .	
19	δ Ursæ Minoris S. P.	5	5	34.74	+ 4.54	-12.13	54 22 1.90	47.868	+ 1	24.5	[23.9]	18 5			. .	
20	μ Geminorum	11	16	54.40	+ 0.10	-12.24	343 36 0.25	42.571	- 17.8	23.9	6 16				. .	
21	γ Geminorum	11	31	56.53	+ 0.12	-12.31	337 30				6 31				. .	
22	Moon I, N.	11	34	13.86	+ 0.09	-12.28	348 37 59.35	48.867	- 12.1	23.2	6 34 1.67	+75.66	+ 27 38 14.0		. .	
23	α Canis Majoris	11	40	48.07	+ 0.16	-12.36	304 27 58.20	44.662	- 1	27.9	23.7	6 40			. .	
24	λ Ursæ Minoris S. P.	5	25	17.74	+14.29	-12.62	52 0 1.50	47.668	+ 1	17.8	[23.2]	19 25			. .	
25	β Geminorum	11	39	11.94	+ 0.08	-12.37	349 18 1.12	43.876	- 11.4	23.1	7 38				. .	
26	φ Geminorum	11	47	22.72	+ 0.09	-12.33	348 4 1.48	42.225	- 12.8	23.7	7 47				. .	
27	Jupiter I, S.	6	24	41.23	+ 0.11	-12.34	341 2 0.40	43.580	- 20.8	23.2	8 24 29.00	+ 1.70	+ 20 0 24.8		. .	
28	Jupiter II, N.	5	24	44.62	+ 0.11	-12.34	341 2 0.40	45.825	- 20.8	23.2	8 24 32.39	- 1.69	+ 20 1 8.0		. .	
29	ε Hydrie	11	41	30.45	+ 0.14	-12.29	327 49 59.35	43.221	- 38.1	23.9	8 41				. .	
June 28, P.																
30	ε Tauri	11	22	34.57	- 0.09	- 0.78	19 54 10.42	48.282	+ 19.9	19.4	4 22				. .	
31	ι Aurigæ	8	50	15.15	- 0.05	- 0.79	5 50 13.50	51.865	+ 5.7	19.0	4 50				. .	
32	β Tauri	11	19	44.95	- 0.06	- 0.78	10 20 12.95	48.132	+ 10.0	19.7	5 19				. .	
June 29, P.																
33	Sun I, N.	11	35	18.82	- 0.08	- 0.83	15 24 7.88	48.860	+ 15.0	19.6	6 35 17.91	+68.73	+ 23 27 6.2		. .	
34	Sun II, S.	11	37	36.29	- 0.08	- 0.83	15 56 9.52	46.967	+ 15.6	19.6	6 37 35.38	-68.74	+ 22 55 37.6		. .	
35	ε Leonis	11	39	59.41	- 0.07	- 0.90	14 36 6.88	48.670	+ 14.2	20.4	9 39				. .	
36	ι Aurigæ	11	50	15.28	+ 0.13	- 1.07	5 52 6.10	45.940	+ 5.8	19.4	4 50				. .	
37	Mercury II, C.	11	11	48.26	+ 0.08	- 1.09	19 32 5.22	46.721	+ 19.9	19.4	5 11 47.25	- 0.31	+ 19 19 43.4		. .	
38	β Tauri	11	19	45.05	+ 0.11	- 1.03	10 22 6.22	42.245	+ 10.2	18.9	5 19				. .	
39	δ Orionis	11	26	43.56	+ 0.11	- 1.16	39 14 5.68	45.786	+ 45.6	19.8	5 26				. .	
June 30, P.																
40	Sun I, S.	11	39	27.40	+ 0.09	- 1.12	16 0 8.60	46.422	+ 16.0	19.4	6 39 26.37	+68.67	+ 22 51 50.9		. .	
41	Sun II, N.	11	41	44.73	+ 0.09	- 1.12	15 28 4.70	48.078	+ 15.4	19.4	6 41 43.70	-68.66	+ 23 23 21.0		. .	
42	Saturn I, C.	6	43	38.97	- 0.05	- 1.28	52 12 2.75	44.446	+ 12.4	18.5	14 43 37.64	+ 0.58	- 13 20 23.6		. .	
43	Saturn II	5	43	40.14	- 0.05	- 1.28					14 43 38.81	- 0.59			. .	
Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.			
d	h m	in.	°	°						'	'	'	'	'	'	
26	17 48	29.918	33.1	32.3	7.	Bisections at II, VI.				1	+	6.9	+	0.1	+	7.0
	19 0	29.926	35.2	33.5	9.	Bisection at II.				9	+	7.5	-16 16.8		-16	9.3
	19 20	29.926	37.4	34.4						10	+	7.6	+16 16.7		+16	24.3
	19 45	29.916	38.2	35.0	10, 32, 34, 41.	Bisections at VI, VII.				15	+	0.1			+	0.1
27	20 40	29.890	37.4	35.3	11, 31, 33, 40.	Bisections at I, II.				22	+11	17.6	-16 2.4		- 4	44.8
	21 8			36.4	19, 24.	Bisections at C ₅ , C ₆ .				27	+	0.7	+ 21.6		+	22.3
	22 59	29.856	39.2	36.4	22.	Bisections at II, III, IV, V, VI.				28	+	0.7	- 21.6		-	20.9
	4 50	29.896	33.0	31.6	27.	Bisections at I, VII.				33	+	2.3	-15 44.3		-15	42.0
	5 19	29.900	32.8	31.2	28, 30.	Bisections at II, VI.				34	+	2.4	15 44.2		+15	46.6
	6 40	29.920	31.3	30.2						37	+	3.8		- 0.6	+	3.2
	7 27	29.928	31.2	29.6						40	+	2.4	+15 45.0		+15	47.4
28	8 41	29.926	30.5	28.8						41	+	2.3	-15 45.0		-15	42.7
	4 22	29.760	76.0	78.1						42	+	0.8			+	0.8
	5 19	29.784	81.5	79.6												
29	6 37	29.782	83.1	81.9												
	9 39	29.792	83.5	82.0												
	5 26	30.126	77.0	73.9												
30	6 41	30.098	76.5	75.8	30 to 43.	The degrees and minutes of Eq. Pt. are 38° 58'.										
	14 43	30.066	71.0	69.3												

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Libræ	11	11 28.95	— 0.03	— 1.23	47 52 . .	. .	. .	. .	15 11 . .	. .	. .	. .
2	Uranus C. C. . . .	11	13 36.87	— 0.06	— 1.29	56 32 3.78	45.842	+ 1 25.1	18.5	15 13 35.52	. .	— 17 41 4.0	. .
3	δ Ophiuchi	11	8 58.20	— 0.01	— 1.24	42 18 2.50	43.659	+ 51.4	18.7	16 8 . .	. .	. .	. .
4	α Scorpil	11	23 6.97	— 0.10	— 1.36	65 2 5.62	47.801	+ 2 0.9	18.4	16 23 . .	. .	. .	. .
5	ζ Ophiuchi	11	31 30.71	— 0.04	— 1.34	49 14 6.02	42.053	+ 1 5.4	18.3	16 31 . .	. .	. .	. .
6	ε Ursæ Minoris . . .	11	56 43.40	+ 1.08	[— 1.31]	316 42 4.25	42.053	— 53.1	[20.0]	16 56 . .	. .	. .	. .
June 30, S.													
7	γ Tauri	5	13 54.53	+ 0.12	— 1.04	23 28 6.62	49.338	+ 24.1	18.8	4 13 . .	. .	. .	. .
8	ε Tauri	11	22 34.79	+ 0.13	— 1.17	19 54 7.20	48.431	+ 20.1	19.4	4 22 . .	. .	. .	. .
9	α Tauri	11	29 59.25	+ 0.13	— 1.12	22 32 10.38	51.151	+ 23.0	19.6	4 29 . .	. .	. .	. .
10	ι Aurigæ	11	50 15.30	+ 0.18	— 1.12	5 50 8.30	52.091	+ 5.7	19.5	4 50 . .	. .	. .	. .
11	α Aurigæ	11	9 2.34	+ 0.23	— 1.10	352 58 2.28	48.605	+ 6.7	19.5	5 9 . .	. .	. .	. .
12	Mercury C. C. . . .	11	14 41.14	+ 0.13	— 1.13	19 20 9.42	42.716	+ 19.3	19.3	5 14 40.14	— 0.16	+ 19 32 56.5	. .
13	β Tauri	11	19 45.14	+ 0.16	— 1.15	10 20 8.60	48.348	+ 10.1	19.6	5 19 . .	. .	. .	. .
14	δ Orionis	11	26 43.44	+ 0.08	— 1.09	39 12 9.32	51.865	+ 44.9	19.5	5 26 . .	. .	. .	. .
15	ε Orionis	11	30 58.06	+ 0.08	— 1.17	40 6 10.10	50.175	+ 46.4	18.7	5 30 . .	. .	. .	. .
July 1, S.													
16	Sun I, N.	11	43 35.46	+ 0.14	— 1.16	15 32 9.45	48.708	+ 15.3	19.3	6 43 34.44	+ 68.69	+ 23 19 6.9	. .
17	Sun II, S.	11	45 52.84	+ 0.14	— 1.16	16 4 6.30	47.125	+ 15.8	19.3	6 45 51.82	— 68.69	+ 22 47 37.3	. .
18	α Canis Minoris . . .	11	33 53.53	+ 0.10	— 1.20	33 20 12.85	52.375	+ 36.0	19.0	7 33 . .	. .	. .	. .
19	β Geminorum	11	38 59.32	+ 0.16	— 1.15	10 34 5.65	50.370	+ 10.3	19.4	7 38 . .	. .	. .	. .
July 1, P.													
20	α Tauri	11	29 59.68	— 0.10	— 1.30	22 34 8.68	44.989	+ 23.0	19.7	4 29 . .	. .	. .	. .
21	ι Aurigæ	8	50 15.71	— 0.01	— 1.31	5 52 8.00	45.748	+ 5.7	19.0	4 50 . .	. .	. .	. .
22	β Orionis	11	9 34.66	— 0.22	— 1.31	47 12 6.62	40.916	+ 59.5	19.3	5 9 . .	. .	. .	. .
July 2, P.													
23	Sun I, N.	11	47 43.72	— 0.07	— 1.34	15 38 6.58	44.520	+ 15.4	19.3	6 47 42.31	+ 68.58	+ 23 14 30.0	. .
24	Sun II, S.	11	50 0.88	— 0.07	— 1.34	16 10 8.98	42.562	+ 15.9	19.3	6 49 59.47	— 68.58	+ 22 43 2.0	. .
July 2, S.													
25	γ Tauri	11	13 55.06	— 0.02	— 1.37	23 28 5.62	49.575	+ 23.3	20.3	4 13 . .	. .	. .	. .
26	α Tauri	5	29 59.66	— 0.01	— 1.34	22 32 . .	. .	. .	. .	4 29 . .	. .	. .	. .</

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Hydrae	11	22 32.57	- 0.08	- 2.92	47 2 . .				9 22 . .			
2	α Leonis	11	2 54.28	- 0.03	- 2.80	26 22 16.12	45.530	+	26.7	10 2 . .			
3	Moon I	11	9 44.26	- 0.03	- 2.86	28 40 . .				10 9 41.37	+68.25		
4	γ ¹ Leonis	11	14 18.80	- 0.01	- 2.86	18 28 11.02	47.532	+	18.0	10 14 . .			
5	α Ursæ Majoris	11	57 23.58	+ 0.11	[- 3.05]	336 32 9.75	47.412	-	23.2	10 57 . .			
	July 14, K.												
6	β Orionis	11	9 36.16	- 0.15	- 2.61	47 10 13.58	42.574	+	58.1	5 9 . .			
7	β Tauri	4	19 47.18	+ 0.02	- 2.69	10 20 11.38	44.074	+	9.9	5 19 . .			
8	α Orionis	8	49 36.48	- 0.08	- 2.74	31 28 6.82	42.850	+	32.9	5 49 . .			
9	Mercury C, C.	11	29 25.69	0.00	- 2.69	16 8 4.08	43.701	+	15.5	6 29 23.00	- 0.06	+ 22 43 26.7	
	July 16, L.												
10	β Orionis	11	9 36.48	- 0.02	- 3.01	47 10 6.15	42.618	+	0.5	5 9 . .			
11	β Tauri	11	19 47.50	+ 0.12	- 3.06	10 20 5.80	44.236	+	10.3	5 19 . .			
12	δ Orionis	11	26 45.80	- 0.01	- 3.06	39 12 7.15	47.461	+	45.8	5 26 . .			
13	ε Orionis	11	31 0.36	+ 0.01	- 3.07	40 6 6.85	45.920	+	47.2	5 30 . .			
14	α Orionis	11	49 36.71	+ 0.04	- 3.05	31 28 7.70	42.482	+	34.3	5 49 . .			
15	Mercury II, C.	11	44 56.40	+ 0.10	- 3.07	15 56 7.18	44.916	+	16.0	6 44 53.43	- 0.21	+ 22 54 56.6	
	July 17, L.												
16	Sun I, N.	11	48 58.18	+ 0.09	- 3.08	17 32 10.50	45.870	+	17.7	7 48 55.19	+67.87	+ 21 18 34.5	
17	Sun II, S.	11	51 13.93	+ 0.09	- 3.08	18 4 10.40	44.550	+	18.2	7 51 10.94	-67.88	+ 20 46 57.1	
18	α Hydrae	11	22 32.74	- 0.02	- 3.15	47 2 10.85	47.078	+	59.7	9 22 . .			
19	α Leonis	11	2 54.47	+ 0.06	- 3.09	26 22 10.90	45.675	+	27.6	10 2 . .			
20	γ ¹ Leonis	11	14 18.91	+ 0.09	- 3.09	18 28 9.55	47.582	+	18.6	10 14 . .			
21	α Ursæ Majoris	11	57 23.35	+ 0.32	[- 3.11]	336 32 8.18	47.474	-	23.9	10 57 . .			
	July 17, K.												
22	α Virginis	11	19 47.94	- 0.02	- 2.92	49 26 5.55	49.754	+	4.8	13 19 . .			
23	α Ursæ Minoris s. p.	5	21 6.62	- 8.68	[- 2.94]	307 38 . .				1 20 . .			
24	ζ Virginis	11	29 28.81	+ 0.03	- 2.97	38 54 6.12	46.701	+	44.8	13 29 . .			
25	Moon I, N.	11	42 16.18	- 0.05	- 2.93	55 8 4.20	46.703	+	19.6	13 42 13.20	+69.78	- 16 18 37.7	
26	η Bootis	11	49 49.17	+ 0.11	- 2.92	19 56 7.18	44.450	+	20.2	13 49 . .			
27	α Bootis	11	11 0.35	+ 0.11	- 2.96	19 8 4.98	43.718	+	19.3	14 10 . .			
28	Saturn I, S.	6	42 54.15	- 0.03	- 2.95	52 12 7.28	43.560	+	11.9	14 42 51.17	+ 0.63	- 13 21 32.7	
29	Saturn II, N.	5	42 55.42	- 0.03	- 2.95	52 12 7.28	42.845	+	11.9	14 42 52.44	- 0.64	- 13 21 19.1	
30	α ² Libræ	6	45 13.32	- 0.04	- 3.03	54 26 9.98	47.112	+	18.1	14 45 . .			
31	Uranus C, C.	11	12 31.80	- 0.05	- 2.95	56 26 10.55	47.592	+	24.3	15 12 28.80		- 17 37 5.7	
32	α Coronæ Borealis	9	30 22.61	+ 0.15	- 2.91	11 46 11.02	48.380	+	11.7	15 30 . .			
33	α Serpentis	8	39 14.43	+ 0.06	- 2.85	32 6 6.15	43.700	+	35.2	15 39 . .			
34	ε Serpentis	11	45 43.82	+ 0.05	- 2.99	34 2 3.72	49.115	+	38.0	15 45 . .			
	July 18, P.												
35	Sun I, N.	11	52 59.64	- 0.05	- 3.05	17 42 12.00	48.208	+	17.8	7 52 56.54	+67.58	+ 21 7 49.1	
36	Sun II, S.	6	55 14.81	- 0.05	- 3.05	18 14 11.90	46.382	+	18.3	7 55 11.71	-67.59	+ 20 36 21.4	
37	α Hydrae	9	22 32.90	- 0.19	- 3.13	47 2 8.40	47.355	+	59.5	9 22 . .			
38	α Leonis	11	2 54.59	- 0.09	- 3.06	26 22 8.50	45.788	+	27.5	10 2 . .			
39	γ ¹ Leonis	11	14 19.07	- 0.06	- 3.10	18 28 9.35	47.612	+	18.6	10 14 . .			
40	β Corvi	11	29 0.58	- 0.27	- 3.19	61 38 12.20	48.255	+	42.4	12 28 . .			
41	α Virginis	11	19 48.35	- 0.20	- 3.16	49 28 9.95	43.365	+	4.9	13 19 . .			
42	α Ursæ Minoris s. p.	4	21 7.02	- 7.74	[- 3.16]	307 38 . .				1 20 . .			
43	Moon I, N.	11	39 42.52	- 0.04	- 3.22	60 26 8.85	47.587	+	38.2	14 39 39.26	+71.80	- 21 37 17.2	
	July 21, P.												
44	α Canis Minoris	9	33 56.66	- 0.11	- 3.89	33 20 11.52	48.291	+	35.8	7 33 . .			
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
13 10 2	29.850	90.8	88.9	4, 17, 30, 32, 33, 36.				9	+	2.2	0.0	+ 2.2	
10 57	29.826	90.4	88.3	8.				15	+	2.1	0.0	+ 2.1	
14 5 9	29.700	84.5	85.1	16, 35, 37.				16	+	2.6	-15 48.7	-15 46.1	
5 49	29.696	87.7	87.1	25, 43.				17	+	2.7	+15 48.6	+15 51.3	
6 29	29.690	88.7	88.1	28.				25	+	27.2	-16 9.6	+32 17.6	
16 5 9	29.940	70.3	68.1	29.				28	+	0.7	+ 6.8	+ 7.5	
5 31	29.950	73.0	69.0	38.				29	+	0.7	- 6.8	- 6.1	
5 49	29.952	73.1	69.8					31	+	0.4		+ 0.4	
6 44	29.953	74.1	70.9					35	+	2.6	-15 43.8	-15 41.2	
17 7 51	29.954	74.1	72.2					36	+	2.7	+15 43.8	+15 46.5	
9 22	29.960	75.3	73.9					43	+	51 10.0	-16 5.6	+35 4.4	
10 2	29.964	76.1	74.2										
10 14	29.972	76.9	75.0										
10 57	29.972	77.3	75.2										
13 19	30.004	76.0	75.3										
13 49	30.006	75.7	75.1										
14 40	30.014	73.9	72.5										
15 45	30.010	70.5	69.8										
18 7 55	30.176	78.4	78.4										
9 22	30.162	78.5	79.1										
10 2	30.160	79.0	78.9										
12 28	30.146	79.5	78.5										
13 19	30.144	79.0	77.5										
14 39	30.150	75.5	74.8										
21 7 33	29.844	83.5	83.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrument.	Clock.								
	July 22, P.		m s	s	s	° ' "	rev.	' "		h m s	s	° ' "	"
1	Sun I, S.	11	8 58.76	- 0.07	- 3.87	19 0 13.85	47.592	+ 18.7	60.4	8 8 54.82	+67.28	+ 19 50 1.4	. .
2	Sun II, N.	6	11 13.32	- 0.07	- 3.87	18 28 8.48	49.375	+ 18.2	60.4	8 11 9.38	-67.28	+ 20 21 31.1	. .
3	α Hydræ	11	22 33.60	- 0.16	- 3.85	47 2 9.58	47.451	+ 58.2	60.0	9 22 . .	. .	. .	. .
4	ε Orionis	11	31 1.52	- 0.08	- 4.00	40 6 10.85	45.908	+ 46.2	59.3	5 30 . .	. .	. .	. .
5	α Orionis	11	49 37.88	- 0.05	- 3.99	31 28 9.50	42.544	+ 33.6	59.6	5 49 . .	. .	. .	. .
6	μ Geminorum	11	16 45.69	0.00	- 4.05	16 16 8.40	47.630	+ 16.1	60.0	6 16 . .	. .	. .	. .
7	Mercury C. C. . . .	11	36 14.04	0.00	- 4.02	16 16 7.38	48.221	+ 16.1	60.0	7 36 10.02	- 0.01	+ 22 33 56.8	. .
	July 23, P.												
8	Sun I, N.	11	12 57.09	- 0.01	- 4.02	18 42 7.32	44.490	+ 18.7	60.0	8 12 53.06	+67.26	+ 20 9 7.0	. .
9	Sun II, S.	11	15 11.60	- 0.01	- 4.02	19 14 7.02	42.862	+ 19.2	60.0	8 15 7.57	-67.25	+ 19 37 35.8	. .
10	ε Leonis	11	40 2.46	+ 0.01	- 4.04	14 36 8.52	44.436	+ 14.3	59.8	9 39 . .	. .	. .	. .
11	α Leonis	11	2 55.47	- 0.03	- 4.00	26 22 6.22	46.088	+ 27.2	60.7	10 2 . .	. .	. .	. .
12	γ ¹ Leonis	10	14 19.96	- 0.01	- 4.04	18 28 7.25	47.955	+ 18.4	60.7	10 14 . .	. .	. .	. .
	July 24, P.												
13	α Orionis	11	49 38.23	+ 0.04	- 4.39	31 26 10.05	45.940	+ 34.0	5.8	5 49 . .	. .	. .	. .
14	γ Geminorum	11	31 47.92	+ 0.07	- 4.30	22 20 8.32	46.718	+ 22.9	5.4	6 31 . .	. .	. .	. .
15	α Canis Majoris . . .	11	40 39.24	- 0.05	- 4.46	55 24 7.85	42.605	+ 20.3	6.2	6 40 . .	. .	. .	. .
16	Mercury C. C. . . .	11	54 10.55	+ 0.09	- 4.40	16 44 7.58	45.741	+ 16.7	5.8	7 54 6.24	- 0.01	+ 22 5 49.4	. .
	July 25, P.												
17	Sun I, S.	11	20 51.95	+ 0.08	- 4.40	19 38 8.75	45.748	+ 19.8	5.8	8 20 47.63	+67.05	+ 19 11 46.1	. .
18	Sun II, N.	11	23 6.06	+ 0.08	- 4.40	19 6 7.50	47.242	+ 19.2	5.8	8 23 1.74	-67.06	+ 19 43 17.1	. .
19	α Leonis	11	2 55.85	+ 0.06	- 4.46	26 22 8.55	43.125	+ 27.5	6.0	10 2 . .	. .	. .	. .
20	γ ¹ Leonis	11	14 20.21	+ 0.08	- 4.38	18 28 7.92	45.054	+ 18.6	5.8	10 14 . .	. .	. .	. .
	July 26, P.												
21	γ Geminorum	11	31 48.50	- 0.03	- 4.73	22 20 12.02	46.576	+ 22.4	6.0	6 31 . .	. .	. .	. .
22	α Canis Majoris . . .	11	40 39.80	- 0.11	- 4.92	55 24 8.85	42.618	+ 18.6	6.1	6 40 . .	. .	. .	. .
	July 27, P.												
23	Sun I, N.	11	28 44.60	- 0.02	- 4.84	19 34 12.00	44.438	+ 19.2	6.8	8 28 39.74	+66.89	+ 19 16 9.6	. .
24	Sun II, S.	11	30 58.38	- 0.02	- 4.84	20 6 10.52	42.832	+ 19.7	6.8	8 30 53.52	-66.89	+ 18 44 39.2	. .
25	Venus C. C.	11	51 49.76	- 0.02	- 4.84	19 56 9.82	42.524	+ 19.5	6.8	8 51 44.90	0.00	+ 18 54 47.1	. .
26	α Leonis	11	2 56.34	- 0.04	- 4.85	26 22 9.60	43.184	+ 26.6	7.3	10 2 . .	. .	. .	. .
27	γ ¹ Leonis	11	14 20.82	- 0.02	- 4.89	18 28 8.82	45.126	+ 17.9	7.3	10 14 . .	. .	. .	. .
28	δ Leonis	11	8 41.20	- 0.02	- 4.80	17 44 8.92	46.636	+ 17.1	7.5	11 8 . .	. .	. .	. .
	July 28, L.												
29	Sun I, S.	9	32 39.87	- 0.05	- 5.02	20 20 13.70	43.025	+ 20.2	7.5	8 32 34.80	+66.90	+ 18 30 34.7	. .
30	Sun II, N.	6	34 53.67	- 0.05	- 5.02	19 48 12.48	44.282	+ 19.6	7.5	8 34 48.60	-66.90	+ 19 2 10.2	. .
31	Venus I, C.	6	56 51.53	- 0.05	- 5.03	20 16 12.62	39.800	+ 20.0	7.5	8 56 46.45	+ 0.37	+ 18 35 36.7	. .
32	Venus II	5	56 52.26	- 0.05	- 5.03					8 56 47.18	- 0.36		. .
33	α Hydræ	9	22 34.78	- 0.11	- 5.05	47 2 13.60	44.355	+ 58.2	6.6	9 22 . .	. .	. .	. .
34	ε Leonis	10	40 3.51	- 0.04	- 5.02	14 36 14.38	41.422	+ 14.1	7.4	9 39 . .	. .	. .	. .
35	α Leonis	11	2 56.56	- 0.06	- 5.05	26 22 14.30	42.992	+ 26.9	8.6	10 2 . .	. .	. .	. .
	July 28, P.												
36	α Orionis	11	49 39.16	+ 0.01	- 5.19	31 26 6.65	46.216	+ 33.5	7.6	5 49 . .	. .	. .	. .
37	δ Ursæ Minoris s. p.	6	6 0.05	- 1.00	[- 5.20]	305 28 6.50	46.521	- 16.2	[7.3]	18 5 . .	. .	. .	. .
38	γ Geminorum	11	16 46.97	+ 0.04	- 5.22	16 16 6.28	44.959	+ 16.0	6.6	6 16 . .	. .	. .	. .
39	γ Geminorum	11	31 48.95	+ 0.03	- 5.20	22 20 7.75	46.836	+ 22.5	6.8	6 31 . .	. .	. .	. .
	July 29, P.												
40	Sun I, S.	11	36 34.73	+ 0.04	- 5.25	20 34 9.98	44.222	+ 20.4	7.1	8 36 29.52	+66.73	+ 18 16 14.9	. .
41	Sun II, N.	11	38 48.20	+ 0.04	- 5.26	20 2 8.72	45.595	+ 19.8	7.1	8 38 42.98	-66.73	- 18 47 48.2	. .
42	Venus I, C.	6	1 52.60	+ 0.03	- 5.26	20 34 5.92	45.454	+ 20.4	7.1	9 1 47.37	+ 0.32	+ 18 15 54.2	. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d	h m	in.	°	°					' "	' "	"	' "	
22	8 11	29.830	84.9	84.2	1, 8, 17, 23, 29, 40.	Bisections at I, II.		1	+	2.8	+15 44.8	.	+15 47.6
	9 22	29.812	85.0	84.7	2.	Bisection at VI.		2	+	2.7	-15 44.8	.	-15 42.1
	5 30	29.828	78.5	77.9	9, 18, 24, 30, 33, 41.	Bisections at VI, VII.		7	+	1.9	.	+ 0.1	+ 2.0
	6 16	29.828	78.5	77.3	11.	Bisections at II, VI, VII.		8	+	2.8	-15 45.6	.	-15 42.8
23	7 36	29.842	77.5	76.5	34.	Bisections at I, VII.		9	+	2.8	+15 45.6	.	+15 48.4
	8 15	29.848	78.5	77.3	37.	Bisections C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .		16	+	2.0	.	0.0	+ 2.0
	9 39	29.850	80.0	78.5				17	+	2.9	+15 45.4	.	+15 48.3
24	10 14	29.852	80.5	79.3				18	+	2.8	-15 45.5	.	-15 42.7
	5 49	29.834	72.0	71.5				23	+	2.9	-15 45.1	.	-15 42.2
	6 40	29.850	74.5	72.9				24	+	3.0	+15 45.2	.	+15 48.2
	7 54	29.872	74.5	74.6				25	+	1.7	.	0.0	+ 1.7
25	8 23	29.880	75.6	75.1				29	+	3.0	+15 47.7	.	+15 50.7
	10 2	29.890	76.0	74.5				30	+	2.9	-15 47.7	.	-15 44.8
26	6 40	29.846	81.0	84.0				41	+	3.0	-15 46.7	.	-15 43.7
27	8 30	29.822	88.3	88.1				42	+	1.8	.	0.0	+ 1.8
	8 51	29.824	88.5	88.7									
	10 2	29.824	91.5	91.0									
28	11 8	29.780	92.5	91.8									
	8 34	29.916	85.4	84.9									
	8 56	29.916	86.5	86.1									
	9 22	29.914	87.5	86.2									
	10 2	29.920	88.9	87.1									
	5 49	29.932	82.0	81.8									
	6 31	29.936	83.5	82.9									
29	8 38	29.922	87.2	86.5									
	9 1	29.920	88.0	87.2									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus II.	5	1 53.24	+ 0.03	- 5.26	18 28 8.08	45.172	+ 18.0	7.5	9 1 48.01	- 0.32		
2	γ^1 Leonis	8	14 21.16	+ 0.04	- 5.29	18 28 8.08	45.172	+ 18.0	7.5	10 14 . . .			
	July 30, L.												
3	Sun I.	9	40 28.86	+ 0.03	- 5.36	20 34 . . .				8 40 23.53	+ 66.70		
4	Sun II.	3	42 42.26	+ 0.03	- 5.36					8 42 36.93	- 66.70		
5	Venus I, C.	6	6 52.25	+ 0.03	- 5.36	20 56 12.08	42.246	+ 20.7	61.6	9 6 46.92	+ 0.41	+ 17 55 43.8	
6	Venus II.	5	6 53.06	+ 0.03	- 5.36					9 6 47.73	- 0.40		
7	α Hydrae	11	22 35.07	- 0.04	- 5.40	47 2 16.98	47.116	+ 58.0	61.6	9 22 . . .			
8	ϵ Leonis	3	40 3.74	+ 0.05	- 5.33	14 36 15.95	44.218	+ 14.1	61.0	9 39 . . .			
9	β Leonis	11	43 52.40	+ 0.02	- 5.39	23 40 18.08	50.054	+ 23.6	62.2	11 43 . . .			
	July 31, L.												
10	α Orionis	11	49 39.52	- 0.06	- 5.41	31 28 7.40	42.385	+ 34.3	56.0	5 49 . . .			
11	α Canis Majoris	11	40 40.61	- 0.21	- 5.53	55 24 12.00	44.930	+ 1 20.7	56.6	6 40 . . .			
12	ϵ Canis Majoris	8	54 38.46	- 0.30	- 5.40	67 38 . . .				6 54 . . .			
13	α^2 Geminorum	11	28 4.93	+ 0.09	- 5.45	6 44 10.85	44.962	+ 6.6	56.7	7 27 . . .			
14	α Canis Minoris	11	33 58.36	- 0.08	- 5.47	33 20 12.48	47.941	+ 36.6	56.3	7 33 . . .			
15	β Geminorum	10	39 4.14	+ 0.06	- 5.44	10 34 12.30	45.756	+ 10.4	55.8	7 38 . . .			
	August 1, L.												
16	Sun I	11	48 15.26	0.00	- 5.46	21 4 . . .				8 48 9.80	+ 66.53		
17	Venus C.					21 38 6.48	42.180	+ 21.9	56.3	9 16 . . .		+ 17 13 45.2	
	August 3, K.												
18	Moon II, N.	11	49 2.60	+ 0.15	- 6.19	11 22 9.02	41.682	+ 11.1	58.8	4 48 56.56	- 71.68	+ 27 30 4.6	
19	α Aurigæ	11	50 21.39	+ 0.16	- 6.13	5 50 39.60	46.182	+ 5.7	59.3	4 50 . . .			
20	β Orionis	11	9 40.09	+ 0.10	- 6.28	47 10 9.20	42.565	+ 59.5	59.3	5 9 . . .			
21	β Tauri	11	19 51.08	+ 0.16	- 6.15	10 20 9.22	44.104	+ 10.1	57.6	5 19 . . .			
22	δ Orionis	11	26 49.28	+ 0.12	- 6.20	39 12 4.38	47.632	+ 45.0	58.9	5 26 . . .			
23	ϵ Orionis	11	31 3.84	+ 0.11	- 6.20	40 6 6.58	45.985	+ 46.4	58.3	5 30 . . .			
24	γ Geminorum	11	31 49.91	+ 0.14	- 6.13	22 22 6.90	43.298	+ 22.6	58.4	6 31 . . .			
25	α Canis Majoris	11	40 41.16	+ 0.09	- 6.31	55 24 4.75	45.459	+ 1 19.2	58.5	6 40 . . .			
26	α^2 Geminorum	11	28 5.64	+ 0.16	- 6.17	6 44 2.40	45.528	+ 6.5	58.8	7 27 . . .			
27	α Canis Minoris	11	33 59.01	+ 0.12	- 6.27	33 20 8.32	48.254	+ 35.9	57.6	7 33 . . .			
28	β Geminorum	11	39 4.81	+ 0.15	- 6.14	10 34 7.82	46.176	+ 10.2	59.0	7 38 . . .			
	August 4, K.												
29	Sun I, N.	6	59 50.75	+ 0.14	- 6.24	21 34 6.08	49.272	+ 21.5	58.8	8 59 44.65	+ 66.29	+ 17 15 32.5	
30	Sun II, S.	11	2 3.34	+ 0.14	- 6.24	22 6 7.85	47.818	+ 22.1	58.8	9 1 57.24	- 66.30	+ 16 43 55.9	
31	Venus C, C.	11	31 35.04	+ 0.14	- 6.25	22 44 7.95	43.489	+ 22.7	58.8	9 31 28.93	0.00	+ 16 7 19.3	
32	α Leonis	11	2 57.58	+ 0.13	- 6.24	26 22 6.12	46.112	+ 26.9	60.2	10 2 . . .			
33	α Ursæ Majoris	10	57 26.34	+ 0.23	- 6.27	336 32 5.10	47.821	+ 23.3	[58.1]	10 57 . . .			
34	β Leonis	11	43 53.16	+ 0.14	- 6.30	23 40 3.40	50.684	+ 23.7	59.5	11 43 . . .			
	August 4, P.												
35	Moon II.	11	49 15.22	+ 0.08	- 6.50	11 10 . . .				5 49 8.80	- 73.10		
36	δ Ursæ Minoris. P.	4	5 59.47	- 1.21	- 6.50	305 28 6.30	49.425	- 1 16.0	[60.1]	18 5 . . .			
37	μ Geminorum	11	16 48.42	+ 0.07	- 6.52	16 16 7.55	47.669	+ 16.0	59.9	6 16 . . .			
38	γ Geminorum	11	31 50.38	+ 0.05	- 6.48	22 22 10.30	43.228	+ 22.4	60.4	6 31 . . .			
39	α Canis Majoris	11	40 41.50	- 0.04	- 6.50	55 24 7.65	45.365	+ 1 18.7	60.7	6 40 . . .			
	August 5, P.												
40	Sun I, N.	11	3 41.74	+ 0.05	- 6.51	21 52 13.22	43.962	+ 21.7	60.6	9 3 35.28	+ 66.14	+ 16 59 8.8	
41	Sun II, S.	11	5 54.02	+ 0.05	- 6.51	22 24 8.55	42.745	+ 22.3	60.6	9 5 47.56	- 66.14	+ 16 27 34.1	
42	Mercury C, C.	11	28 29.95	+ 0.05	- 6.51	22 4 8.22	46.070	+ 21.9	60.6	9 28 23.49	0.00	+ 16 46 32.1	
43	Venus I, C.	5	36 27.88	+ 0.05	- 6.51	23 6 7.52	46.750	+ 23.0	60.6	9 36 21.42	+ 0.35	+ 15 44 18.7	

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
29 10 14	29.910	90.0	89.3	8, 29, 40.	Bisections at I, II.	5	+ 1.8	. . .	0.0	+ 1.8
30 8 42	29.780	84.0	83.1	17.	Bisection at I.	17	+ 1.9	. . .	0.0	+ 1.9
9 6	29.784	85.4	84.4	18.	Bisections at III, IV, V.	18	+ 10 53.2	- 15 16.9	. . .	- 4 23.7
9 40	29.772	87.1	86.1	19, 30, 39, 41.	Bisections at VI, VII.	29	+ 3.2	- 15 48.3	. . .	- 15 45.1
11 43	29.732	88.0	88.0	22.	Bisections at II, VI, VII.	30	+ 3.3	+ 15 48.2	. . .	+ 15 51.5
5 49	30.022	71.7	70.5	36.	Bisections at C, B ₃ , B ₁ .	31	+ 2.0	. . .	0.0	+ 2.0
6 40	30.020	74.8	73.1			40	+ 3.2	- 15 47.3	. . .	- 15 44.1
7 39	30.000	77.0	75.2			41	+ 3.3	+ 15 47.3	. . .	+ 15 50.6
8 51	29.980	78.6	78.2			42	+ 2.5	. . .	0.0	+ 2.5
9 16	29.968	79.3	79.1			43	+ 2.0	. . .	0.0	+ 2.0
3 4 43	29.920	74.8	76.5							
5 14	29.920	76.2	77.2							
5 35	29.920	77.0	78.0							
6 35	29.922	80.2	81.1							
7 27	29.924	82.7	83.0							
7 53	29.926	85.2	84.2							
9 2	29.925	86.0	85.4							
9 26	29.920	87.0	86.6							
10 10	29.916	88.0	87.0							
11 2	29.906	88.4	87.2							
11 40	29.900	88.8	87.6							
6 5	29.910	82.5	82.9							
6 40	29.910	84.0	84.3							
9 5	29.912	89.0	88.3							
9 36	29.916	90.0	89.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus II.	6	36 28.58	+ 0.05	- 6.51					9 36 22.12	- 0.35		
2	α Leonis	11	2 57.89	+ 0.04	- 6.46	26 22 8.28	46.079	+ 26.7	61.5	10 2 . .			
3	γ ¹ Leonis	11	14 22.44	+ 0.06	- 6.57	18 28 8.52	47.924	+ 18.0	60.3	10 14 . .			
4	α Ursæ Majoris	11	57 26.80	+ 0.22	- 6.73	336 32 . .				10 57 . .			
5	δ Leonis	11	8 42.79	+ 0.07	- 6.51	17 44 9.35	49.383	+ 17.2	60.7	11 8 . .			
August 5, L.													
6	γ Geminorum	11	31 50.63	+ 0.04	- 6.70	22 22 9.95	43.251	+ 22.4	60.5	6 31 . .			
7	α Canis Majoris	11	40 41.80	- 0.06	- 6.76	55 24 7.45	45.556	+ 18.5	62.6	6 40 . .			
8	Moon II	11	50 56.73	+ 0.07	- 6.66	12 26 . .				6 50 50.14	- 73.39		
9	α ² Geminorum	11	28 6.14	+ 0.09	- 6.55	6 44 6.25	45.448	+ 6.4	60.9	7 27 . .			
10	α Canis Minoris	11	33 59.61	+ 0.01	- 6.73	33 20 8.18	48.488	+ 35.6	61.7	7 33 . .			
11	β Geminorum	11	39 5.37	+ 0.08	- 6.59	10 34 6.62	46.340	+ 10.1	60.6	7 38 . .			
August 6, L.													
12	Sun I, S.	11	7 31.82	+ 0.04	- 6.73	22 40 14.32	44.760	+ 22.4	61.4	9 7 25.13	+ 66.07	+ 16 10 52.5	
13	Sun II, N.	11	9 43.97	+ 0.04	- 6.73	22 8 6.30	46.375	+ 21.8	61.4	9 9 37.28	- 66.08	+ 16 42 28.0	
14	Mercury C, C.	11	36 17.26	+ 0.04	- 6.74	22 44 7.02	43.010	+ 22.4	61.4	9 36 10.56	0.00	+ 16 7 32.3	
15	Venus I, C.	6	41 19.80	+ 0.04	- 6.75	23 30 8.32	45.148	+ 23.3	61.4	9 41 13.09	+ 0.39	+ 15 20 49.1	
16	Venus II	5	41 20.58	+ 0.04	- 6.75					9 41 13.87	- 0.39		
17	α Leonis	11	2 58.26	+ 0.03	- 6.81	26 22 8.02	46.145	+ 26.5	60.9	10 2 . .			
18	γ ¹ Leonis	8	14 22.63	+ 0.06	- 6.75	18 28 7.22	48.038	+ 17.9	62.5	10 14 . .			
19	α Ursæ Majoris	11	57 27.03	+ 0.24	- 6.99	336 32 5.10	48.061	- 23.0	[62.4]	10 57 . .			
20	δ Leonis	11	8 43.04	+ 0.06	- 6.76	17 44 6.45	40.590	+ 17.1	61.1	11 8 . .			
August 6, K.													
21	δ Ursæ Minoris S. P.	5	5 58.23	- 0.54	- 6.64	305 30 . .				18 5 . .			
22	γ Geminorum	11	31 50.53	+ 0.08	- 6.61	22 22 6.98	43.528	+ 22.4	62.8	6 31 . .			
23	α Canis Majoris	11	40 41.69	0.00	- 6.69	55 24 2.52	45.865	+ 18.5	63.8	6 40 . .			
24	α ² Geminorum	11	28 6.20	+ 0.11	- 6.61	6 44 5.18	45.586	+ 6.4	62.3	7 27 . .			
25	α Canis Minoris	11	33 59.54	+ 0.06	- 6.69	33 20 11.32	48.391	+ 35.5	63.0	7 33 . .			
26	β Geminorum	11	39 5.45	+ 0.10	- 6.67	10 34 5.25	46.535	+ 10.1	63.0	7 38 . .			
August 7, K.													
27	Sun I, N.	8	11 21.10	+ 0.08	- 6.65	22 24 6.80	49.338	+ 22.1	63.1	9 11 14.53	+ 66.04	+ 16 25 34.2	
28	Sun II, S.	11	13 33.18	+ 0.08	- 6.65	22 56 6.65	47.892	+ 22.7	63.1	9 13 26.61	- 66.04	+ 15 53 59.4	
29	Mercury C, C.	11	43 55.02	+ 0.08	- 6.65	23 24 3.90	43.065	+ 23.2	63.1	9 43 48.45	+ 0.01	+ 15 27 35.3	
30	Venus I, C.	6	46 10.32	+ 0.08	- 6.65	23 54 7.60	44.902	+ 23.7	63.1	9 46 3.75	+ 0.45	+ 14 56 55.9	
31	Venus II	5	46 11.22	+ 0.08	- 6.65					9 46 4.65	- 0.45		
32	α Leonis	11	2 58.08	+ 0.07	- 6.67	26 22 5.32	46.364	+ 26.5	63.8	10 2 . .			
33	γ ¹ Leonis	11	14 22.55	+ 0.09	- 6.70	18 28 4.20	48.314	+ 17.9	63.2	10 14 . .			
34	δ Leonis	6	8 42.88	+ 0.09	- 6.63	17 44 7.10	49.545	+ 17.1	62.5	11 8 . .			
35	β Leonis	11	43 53.53	+ 0.08	- 6.62	23 40 4.22	50.858	+ 23.4	63.4	11 43 . .			
August 7, P.													
36	ε Canis Majoris	11	54 39.81	- 0.03	- 6.88	67 38 . .				6 54 . .			
37	α ² Geminorum	11	28 6.45	+ 0.10	- 6.83	6 44 8.58	45.396	+ 6.5	62.2	7 27 . .			
38	α Canis Minoris	11	33 59.82	+ 0.06	- 6.95	33 20 9.10	48.408	+ 35.7	62.7	7 33 . .			
39	β Geminorum	11	39 5.65	+ 0.09	- 6.83	10 34 6.08	46.450	+ 10.2	62.2	7 38 . .			
August 8, P.													
40	Sun I, S.	4	15 10.09	+ 0.07	- 6.91	23 14 5.35	45.499	+ 23.2	62.7	9 15 3.25	+ 65.86	+ 15 36 47.8	
41	Sun II, N.	5	17 21.81	+ 0.07	- 6.91	22 42 8.90	46.578	+ 22.6	62.7	9 17 14.97	- 65.86	+ 16 8 22.1	
42	Mercury C, C.	11	51 23.73	+ 0.07	- 6.93	24 4 9.30	45.542	+ 24.1	62.7	9 51 16.87	+ 0.01	+ 14 46 41.1	
43	α Leonis	11	2 58.35	+ 0.07	- 6.93	26 22 7.38	46.245	+ 26.7	63.7	10 2 . .			

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m			in.	°	°				' "	' "	"	' "
5	10 14		29.902	91.0	90.4	5.	Bisections at II, VI, VII.	12	+	3.3	+15 47.7	+15 51.0
	11 8		29.904	93.5	93.2	12, 17, 27, 40.	Bisections at I, II.	13	+	3.3	-15 47.8	-15 44.5
	6 31		29.952	85.2	85.8	13, 18, 28, 38, 41.	Bisections at VI, VII.	14	+	2.5		+ 2.5
	7 28		29.962	89.0	88.5			15	+	2.1		+ 2.1
	7 38		29.962	90.3	89.1	34.	Bisection at VII.	27	+	3.3	-15 47.3	-15 44.0
	9 9		29.950	93.0	92.8			28	+	3.4	+15 47.4	+15 50.8
	9 41		29.952	93.9	93.9			29	+	2.6		+ 2.6
	10 2		29.950	94.3	94.3			30	+	2.1		+ 2.1
	10 14		29.946	95.0	94.8			40	+	3.4	+15 47.1	+15 50.5
	10 57				95.9			41	+	3.4	-15 47.2	-15 43.8
	11 8		29.942	96.3	95.9			42	+	2.7		+ 2.7
	6 36		29.926	85.6	85.9							
	7 30		29.936	89.8	88.9							
	7 45		29.940	90.8	89.2							
	9 13		29.916	93.0	92.7							
	9 35		29.912	93.2	92.6							
	10 8		29.900	93.8	93.1							
	11 8		29.882	96.0	95.1							
	11 43		29.874	96.8	95.5							
	7 27		29.900	86.0	85.3							
	7 38		29.900	86.0	85.3							
	9 17		29.892	89.2	88.3							
	9 51		29.884	89.5	88.8							
	10 15		29.884	90.5	90.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
	August 10, I.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus I, C.	6	0 36.20	+ 0.13	- 7.13	25 8 6.85	45.061	+ 25.3	61.1	10 0 29.20	+ 0.36	+ 13 42 50.0	. .
2	Venus II.	5	0 36.92	+ 0.13	- 7.13	25 8 6.85	45.061	+ 25.3	61.1	10 0 29.92	- 0.36		. .
3	Mercury C, C.	9	5 53.87	+ 0.13	- 7.13	25 28 5.88	45.600	+ 25.6	61.1	10 5 46.87	+ 0.01	+ 13 22 40.3	. .
4	γ^1 Leonis.	6	14 23.01	+ 0.13	- 7.18	18 28 . . .	. . .	. . .	. . .	10 14 . . .	. . .		. .
5	α Ursæ Majoris	11	57 27.35	+ 0.04	[- 7.14]	336 32 2.75	48.251	- 23.2	[62.4]	10 57 . . .	. . .		. .
6	δ Leonis.	6	8 43.36	+ 0.13	- 7.15	17 44 . . .	. . .	. . .	. . .	11 8 . . .	. . .		. .
7	β Leonis.	11	43 53.94	+ 0.13	- 7.10	23 40 6.00	50.641	+ 23.6	61.1	11 43 . . .	. . .		. .
	August 10, K.												
8	γ Geminorum	11	31 50.86	+ 0.16	- 6.92	22 22 6.45	43.426	+ 22.4	60.4	6 31 . . .	. . .		. .
9	α Canis Majoris	11	40 42.04	+ 0.13	- 7.08	55 24 1.00	45.828	+ 18.6	62.3	6 40 . . .	. . .		. .
10	β Geminorum	8	39 5.74	+ 0.17	- 6.94	10 34 3.15	46.535	+ 10.2	60.7	7 38 . . .	. . .		. .
	August 11, K.												
11	Sun I, S.	10	26 32.77	+ 0.16	- 7.01	24 8 5.25	41.438	+ 24.1	61.2	9 26 25.92	+ 65.72	+ 14 43 44.2	. .
12	Sun II, N.	11	28 44.20	+ 0.16	- 7.01	23 36 5.98	43.455	+ 23.6	61.2	9 28 37.35	- 65.71	+ 15 15 22.4	. .
13	α Leonis.	11	2 58.38	+ 0.16	- 7.04	26 22 6.58	46.200	+ 26.7	60.6	10 2 . . .	. . .		. .
14	Venus I, C.	5	5 22.40	+ 0.16	- 7.02	25 34 2.35	43.544	+ 25.8	61.2	10 5 15.54	+ 0.39	+ 13 17 23.2	. .
15	Venus II.	6	5 23.18	+ 0.16	- 7.02	25 34 2.35	43.544	+ 25.8	61.2	10 5 16.32	- 0.39		. .
16	α Ursæ Majoris	11	57 27.11	+ 0.16	[- 7.03]	336 32 3.40	48.202	- 23.2	[61.5]	10 57 . . .	. . .		. .
17	Moon I.	11	35 36.69	+ 0.15	- 7.04	39 52 . . .	. . .	. . .	. . .	11 35 29.80	+ 68.17		. .
18	β Leonis.	3	43 53.86	+ 0.16	- 7.05	23 42 8.38	44.370	+ 23.6	61.7	11 43 . . .	. . .		. .
19	γ Corvi	8	10 35.76	+ 0.13	- 7.02	55 48 4.12	45.398	+ 18.7	61.8	12 10 . . .	. . .		. .
20	θ Aquarii	11	11 31.65	+ 0.03	- 6.95	47 8 7.45	45.154	+ 59.2	61.7	22 11 . . .	. . .		. .
21	π Aquarii	11	20 8.58	+ 0.07	- 6.92	38 0 5.02	42.854	+ 42.9	61.3	22 20 . . .	. . .		. .
22	Radcliffe 6058	11	31 11.19	- 0.02	- 6.95	57 38 12.88	44.858	+ 26.5	61.3	22 31 4.22	- 4.14	- 18 48 12.8	- 20.6
23	ξ Pegasi	8	36 27.01	+ 0.12	- 6.99	28 34 5.58	42.408	+ 29.9	61.0	22 36 . . .	. . .		. .
24	O. Arg. S. 22395	11	40 39.39	- 0.02	- 6.95	57 28 1.85	46.793	+ 26.0	61.3	22 40 32.42	- 4.11	- 18 38 37.9	- 21.4
25	ζ Cephei.	10	46 8.68	+ 0.53	[- 6.96]	333 12 . . .	. . .	. . .	. . .	22 46 . . .	. . .		. .
	August 11, P.												
26	α^2 Geminorum	10	28 6.72	+ 0.06	- 6.96	6 44 5.30	45.514	+ 6.4	60.7	7 27 . . .	. . .		. .
27	α Canis Minoris	11	34 0.01	- 0.05	- 6.96	33 20 10.62	48.326	+ 35.7	61.4	7 33 . . .	. . .		. .
28	β Geminorum	5	39 5.91	+ 0.05	- 6.97	10 34 . . .	. . .	. . .	. . .	7 38 . . .	. . .		. .
	August 12, P.												
29	Sun I, N.	10	30 19.57	- 0.01	- 6.99	23 54 5.00	44.200	+ 23.8	61.0	9 30 12.57	+ 65.53	+ 14 57 10.7	. .
30	Sun II, S.	11	32 30.62	- 0.01	- 6.99	24 26 6.98	42.768	+ 24.4	61.0	9 32 23.62	- 65.52	+ 14 25 33.6	. .
31	Venus I, C.	6	10 8.03	- 0.02	- 6.99	26 0 8.35	42.508	+ 26.2	61.0	10 10 1.02	+ 0.40	+ 12 51 36.4	. .
32	Venus II.	5	10 8.82	- 0.02	- 6.99	26 0 8.35	42.508	+ 26.2	61.0	10 10 1.81	- 0.39		. .
33	Mercury C, C.	11	19 48.73	- 0.02	- 7.00	26 54 7.15	46.310	+ 27.2	61.0	10 19 41.71	+ 0.01	+ 11 56 23.7	. .
	August 12, I.												
34	α Canis Majoris	6	40 42.28	- 0.10	- 7.04	55 24 4.38	45.515	+ 18.7	59.7	6 40 . . .	. . .		. .
35	ϵ Canis Majoris	11	54 40.20	- 0.15	- 7.04	67 38 1.90	47.375	+ 11.4	61.0	6 54 . . .	. . .		. .
36	α^2 Geminorum	11	28 6.81	+ 0.06	- 7.02	6 44 4.55	45.575	+ 6.5	61.1	7 27 . . .	. . .		. .
37	α Canis Minoris	11	34 0.06	- 0.02	- 7.01	33 20 6.08	48.511	+ 35.7	60.5	7 33 . . .	. . .		. .
38	β Geminorum	11	39 5.97	+ 0.04	- 7.00	10 34 5.30	46.436	+ 10.2	60.7	7 38 . . .	. . .		. .
	August 13, I.												
39	Sun I, S.	11	34 5.34	+ 0.01	- 7.05	24 44 0.08	44.478	+ 24.8	60.8	9 33 58.30	+ 65.52	+ 14 7 9.1	. .
40	Sun II, N.	11	36 16.38	+ 0.01	- 7.05	24 12 5.02	45.400	+ 24.2	60.8	9 36 9.34	- 65.52	+ 14 38 45.1	. .
41	α Leonis.	6	2 58.65	0.00	- 7.13	26 22 . . .	. . .	. . .	. . .	10 2 . . .	. . .		. .
42	Venus I, C.	6	14 52.27	0.00	- 7.06	26 26 7.95	43.052	+ 26.7	60.8	10 14 45.21	+ 0.41	+ 12 25 25.7	. .
43	Venus II.	5	14 53.08	0.00	- 7.06		. . .	. . .	. . .	10 14 46.02	- 0.40		. .
44	β Leonis.	11	43 53.95	+ 0.01	- 7.00	23 40 6.55	50.660	+ 23.6	61.9	11 43 . . .	. . .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
10 10 0	. . .	. . .	90.8	3.	Bisections at I, VII.	1	+ 2.2	. . .	0.0	+ 2.2
10 5	29.934	92.0	91.0	11, 13, 18, 29, 39.	Bisections at I, II.	3	+ 2.8	. . .	0.0	+ 2.8
10 57	29.922	92.4	91.4	12, 23, 30, 40.	Bisections at VI, VII.	11	+ 3.5	+ 15 49.1	. . .	+ 15 52.6
11 43	29.916	92.8	91.8	16.	Bisections at II, VI.	12	+ 3.5	- 15 49.1	. . .	- 15 45.6
6 34	29.900	84.7	84.9	19, 35.	Bisections at II, VI, VII.	14	+ 2.2	. . .	0.0	+ 2.2
7 31	29.920	88.0	86.4	24.	Bisections at I, II, VI.	29	+ 3.5	- 15 48.5	. . .	- 15 45.0
9 28	29.922	89.5	89.4	34.	Bisections at I, II, VII.	30	+ 3.6	+ 15 48.5	. . .	+ 15 52.1
9 56	29.922	90.6	90.3			31	+ 2.3	. . .	0.0	+ 2.3
11 1	29.920	92.3	91.1			33	+ 3.0	. . .	0.0	+ 3.0
11 48	29.916	93.5	92.2			39	+ 3.6	+ 15 48.0	. . .	+ 15 51.6
12 15	29.908	93.8	92.2			40	+ 3.6	- 15 48.0	. . .	- 15 44.4
22 17	29.864	78.8	78.1			42	+ 2.3	. . .	0.0	+ 2.3
22 52	29.868	78.5	77.8							
7 27	29.930	87.0	86.6							
9 32	29.922	91.4	91.1							
10 10	29.922	92.5	91.8							
6 40	29.906	84.3	84.1							
6 54	29.906	85.0	84.7							
7 39	29.912	86.9	86.0							
9 36	29.896	90.2	89.1							
10 14	29.892	90.7	90.0							
11 43	29.856	92.6	91.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Virginis	3	19 51.88	- 0.07	- 7.09	49 26	44.300	- 1	8.9	[62.3]	13 19		
2	α Ursæ Minoris S. P. August 14, K.	4	21 30.33	- 2.40	- 7.02	307 38 3.10				1 21			
3	α Virginis	11	19 51.69	- 0.01	- 6.97	49 26 0.18	50.275	+ 1	3.5	61.1	13 19		
4	α Ursæ Minoris S. P.	11	21 32.50	- 3.67	- 6.96	307 38				1 21			
5	ζ Virginis	11	29 32.50	+ 0.02	- 6.95	38 54 2.38	47.132	+	43.9	62.3	13 29		
6	η Bootis	11	49 52.82	+ 0.08	- 6.90	19 56 5.72	44.786	+	19.8	61.3	13 49		
7	α Bootis	11	11 3.93	+ 0.08	- 6.89	19 8 2.48	44.135	+	18.9	61.6	14 10		
8	Moon I, N.	11	21 49.79	- 0.05	- 6.93	59 2 5.98	43.611	+ 1	30.1	61.6	14 21 42.81	+ 71.58	- 20 11 45.5
9	α Aquarii	11	0 37.25	+ 0.05	- 6.87	39 40 7.52	44.104	+	46.1	61.4	22 0		
10	θ Aquarii	11	11 31.83	+ 0.02	- 7.08	47 7 50.78	45.816	+	59.8	58.5	22 11		
11	π Aquarii	11	20 8.75	+ 0.06	- 7.04	38 0 7.62	42.619	+	43.4	60.4	22 20		
12	Hermientaria	10	38 29.62	- 0.05	- 7.00	60 16 0.98	46.120	+ 1	37.1	60.1	22 38 22.57		- 21 26 36.9
13	γ Cephei	11	46 8.76	+ 0.55	- 7.00	333 12					22 46		
August 15, P.													
14	α Ursæ Minoris S. P.	7	21 36.43	- 6.43	- 7.16	307 38 6.28	44.008	- 1	10.2	[61.1]	1 21		
15	ϵ Bootis	11	40 35.91	+ 0.06	- 7.13	11 20 8.80	46.044	+	11.0	60.4	14 40		
16	α^2 Libræ	4	45 17.22	- 0.13	- 7.19	54 26 9.10	47.492	+ 1	16.1	61.3	14 45		
17	β Libræ	11	11 34.42	- 0.09	- 7.16	47 50 7.65	46.329	+ 1	0.2	60.8	15 11		
18	Moon I, N.	5	21 53.15	- 0.17	- 7.17	63 28 4.08	44.933	+ 1	48.9	60.8	15 21 45.81	+ 73.31	- 24 38 28.5
19	α Aquarii	11	0 37.74	- 0.06	- 7.24	39 40 6.35	44.070	+	46.1	59.7	22 0		
20	θ Aquarii	11	11 32.15	- 0.09	- 7.28	47 8 1.02	45.322	+	59.9	59.5	22 11		
21	π Aquarii	11	20 9.10	- 0.05	- 7.27	38 0 7.85	42.528	+	43.5	59.0	22 20		
22	Hermientaria	11	37 45.84	- 0.15	- 7.27	60 22 4.12	40.412	+ 1	37.7	59.4	22 37 38.42		- 21 34 7.1
August 16, K.													
23	α Serpentis	11	39 18.41	- 0.07	- 7.05	32 6 5.90	43.886	+	34.0	59.8	15 39		
24	ϵ Serpentis	11	45 47.68	- 0.08	- 7.08	34 2 7.32	49.154	+	36.7	61.4	15 45		
25	β^2 Scorpii	11	59 33.63	- 0.19	- 7.09	58 20 7.20	48.978	+ 1	27.9	59.7	15 59		
26	δ Ophiuchi	11	9 3.72	- 0.11	- 7.05	42 16 4.78	45.696	+	49.4	61.0	16 8		
27	Moon I, N.	11	24 18.24	- 0.25	- 7.07	66 18					16 24 10.92	+ 74.42	
28	Δ Draconis	11	28 19.20	+ 0.32	- 7.06	329 52					16 28		
August 16, L.													
29	α^2 Geminorum	11	28 7.18	+ 0.18	- 7.41	6 44 4.38	45.555	+	6.6	60.2	7 27		
30	α Canis Minoris	11	34 0.55	+ 0.09	- 7.53	33 20 4.88	48.505	+	36.5	60.2	7 33		
31	β Geminorum	11	39 6.39	+ 0.17	- 7.46	10 34 4.32	46.445	+	10.4	59.8	7 38		
August 17, L.													
32	Sun I, N.	11	49 3.67	+ 0.12	- 7.49	25 28 8.22	44.580	+	26.3	59.9	9 48 56.30	+ 65.18	+ 13 22 56.5
33	Sun II, S.	11	51 14.03	+ 0.12	- 7.49	26 0 9.52	43.310	+	26.9	59.9	9 51 6.66	- 65.18	+ 12 51 17.1
34	Venus I, C.	6	33 40.35	+ 0.11	- 7.50	28 12 5.58	48.580	+	29.6	59.9	10 33 32.96	+ 0.42	+ 10 37 38.3
35	Venus II, ...	5	33 41.18	+ 0.11	- 7.50						10 33 33.79	- 0.41	
36	Mercury I, C.	11	52 14.41	+ 0.10	- 7.51	30 36 8.05	43.128	+	32.6	59.9	10 52 7.00	+ 0.17	+ 8 15 17.4
37	δ Leonis	11	8 43.66	+ 0.14	- 7.46	17 44 5.22	49.492	+	17.7	59.1	11 8		
38	γ Corvi	11	10 36.40	+ 0.01	- 7.58	55 48					12 10		
39	α Canum Venat.	11	51 18.75	+ 0.21	- 7.43	359 58 2.48	46.789		0.0	59.4	12 51		
40	α Virginis	11	19 52.27	+ 0.04	- 7.63	49 26 5.58	49.922	+ 1	4.1	60.6	13 19		
41	α Ursæ Minoris S. P.	6	21 37.61	- 5.29	- 7.53	307 38 2.72	44.475	- 1	10.7	[62.5]	1 21		
42	α^1 Herculis	11	10 4.80	+ 0.10	- 7.69	24 20 5.22	45.956	+	25.1	58.5	17 9		
43	δ Ophiuchi	11	20 12.61	- 0.08	- 7.74	62 54 4.92	46.324	+ 1	48.2	58.7	17 20		
44	Moon I, N.	11	27 44.23	- 0.11	- 7.69	67 22 4.30	43.198	+ 2	12.5	58.9	17 27 36.43	+ 74.39	- 28 32 21.5
45	μ Herculis	11	42 33.60	+ 0.16	- 7.68	11 4 2.92	45.462	+	10.9	58.6	17 42		

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				/ //	/ //	//	/ //
13	13 21	29.840	93.4	92.5	2, 41.	Bisection at V.	8	+ 50 45.1	- 16 11.8		+ 34 33.3
14	13 9	29.878	84.8	83.9	8.	Bisections at II, III, IV, V, VI.	12	+ 4.8			+ 4.8
14	13 45	29.870	84.0	83.2	14.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	18	+ 52 30.0	- 16 3.2		+ 36 26.8
14	16	29.864	84.8	84.7			22	+ 4.8			+ 4.8
22	9	29.912	74.4	73.2	16, 33, 37.	Bisections at VI, VII.	32	+ 3.7	- 15 49.6		- 15 45.9
22	57	29.900	74.2	72.5	18, 44.	Bisections at III, IV, V.	33	+ 3.8	+ 15 49.7		+ 15 53.5
15	13 21	29.958	85.0	84.5	22.	Z. D. thread A used.	34	+ 2.4		0.0	+ 2.4
14	40	29.952	84.5	84.2	32.	Bisection at II.	36	+ 3.5		0.1	+ 3.4
15	21	29.948	83.5	83.1	34.	Bisections at II, VI.	44	+ 53 7.0	- 15 44.5		+ 37 22.5
22	0	29.926	75.0	72.6							
22	51	29.912	73.5	72.0							
16	15 43	29.796	84.0	84.2							
16	32	29.799	81.4	80.8							
7	27	29.910	75.2	74.1							
17	9 51	29.910	78.0	76.9							
10	33			77.2							
10	52	29.900	78.5	77.7							
12	51	29.860	79.9	78.2							
13	19	29.860	80.1	79.0							
17	9	29.870	75.0	73.1	12, 22.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	γ^2 Sagittarii	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	δ Ursæ Minoris	11	59 19.52	- 0.12	- 7.65	69 14 3.95	46.686	+ 2 26.2	59.8	17 59 . .	.	.	.
	August 17, K.		5 52.25	+ 2.88	[- 7.69]	312 16 4.75	43.112	- 1 1.1	[60.7]	18 5 . .	.	.	.
3	α^2 Geminorum	11	28 7.10	+ 0.20	- 7.32	6 44 5.30	45.470	+ 6.6	59.5	7 27 . .	.	.	.
4	α Canis Minoris	11	34 0.57	+ 0.08	- 7.52	33 20 2.10	48.611	+ 36.7	59.7	7 33 . .	.	.	.
5	β Geminorum	11	39 6.39	+ 0.18	- 7.44	10 34 6.60	46.302	+ 10.4	59.2	7 38 . .	.	.	.
	August 18, K.												
6	Sun I, N.	11	52 46.95	+ 0.11	- 7.50	25 46 8.50	49.050	+ 26.8	60.2	9 52 39.56	+ 65.06	+ 13 3 30.4	.
7	Sun II, S.	11	54 57.06	+ 0.11	- 7.50	26 18 5.25	48.042	+ 27.5	60.2	9 54 49.67	- 65.05	+ 12 31 50.3	.
8	δ Leonis	6	8 43.78	+ 0.15	- 7.59	17 44 5.85	49.520	+ 17.7	60.1	11 8 . .	.	.	.
9	β Leonis	11	43 54.33	+ 0.12	- 7.50	23 40 11.40	50.279	+ 24.2	59.8	11 43 . .	.	.	.
10	γ Corvi	9	10 36.51	+ 0.01	- 7.67	55 48 4.22	45.289	+ 1 20.9	62.1	12 10 . .	.	.	.
11	β Corvi	11	29 4.35	+ 0.04	- 7.49	61 38 3.90	48.755	+ 1 41.6	60.6	12 28 . .	.	.	.
12	α Virginis	11	19 52.22	+ 0.02	- 7.57	49 26 3.25	50.019	+ 1 4.2	60.3	13 19 . .	.	.	.
13	α Ursæ Minoris S. P.	4	21 41.49	- 8.26	[- 7.53]	307 38 . .	.	.	.	1 21 . .	.	.	.
	August 18, P.												
14	ϵ Hydræ	11	41 25.45	+ 0.15	- 7.94	32 2 7.95	46.859	+ 35.3	58.8	8 41 . .	.	.	.
15	α Hydræ	11	22 37.75	+ 0.08	- 8.04	47 2 6.55	47.284	+ 1 0.2	58.6	9 22 . .	.	.	.
	August 19, P.												
16	Sun I, S.	11	56 30.13	+ 0.17	- 8.00	26 38 6.75	46.952	+ 28.1	58.6	9 56 22.30	+ 64.98	+ 12 12 9.5	.
17	Sun II, N.	11	58 40.10	+ 0.17	- 8.00	26 6 9.32	47.845	+ 27.5	58.6	9 58 32.27	- 64.99	+ 12 43 48.4	.
18	Venus I, C.	5	42 59.50	+ 0.16	- 8.01	29 8 7.82	47.085	+ 31.2	58.6	10 42 51.65	+ 0.34	+ 9 42 1.8	.
19	Venus II	5	43 0.17	+ 0.16	- 8.01	.	.	.	.	10 42 52.32	- 0.33	.	.
20	Mercury C, C. . . .	11	4 22.07	+ 0.15	- 8.01	32 4 8.18	46.388	+ 35.1	58.6	11 4 14.21	+ 0.02	+ 6 46 11.0	.
21	δ Leonis	11	8 44.12	+ 0.22	- 8.00	17 44 7.65	49.368	+ 17.9	58.1	11 8 . .	.	.	.
22	β Leonis	11	43 54.75	+ 0.19	- 7.99	23 40 10.40	50.260	+ 24.6	58.8	11 43 . .	.	.	.
23	γ Corvi	11	10 36.85	+ 0.03	- 8.06	55 48 6.08	44.959	+ 1 22.0	58.8	12 10 . .	.	.	.
24	α Ursæ Minoris S. P.	5	21 45.76	- 11.19	[- 8.01]	307 38 8.50	43.919	- 1 12.0	[58.7]	1 21 . .	.	.	.
25	λ Ursæ Minoris . . .	6	26 42.95	+ 16.49	[- 8.25]	309 54 . .	.	.	.	19 26 . .	.	.	.
26	Moon I, S.	11	29 44.69	- 0.08	- 8.22	64 46 5.52	41.030	+ 2 0.3	58.3	19 29 36.39	+ 70.77	- 25 55 29.0	.
27	α^2 Capricorni	11	12 29.40	+ 0.00	- 8.19	51 42 5.10	44.829	+ 1 12.2	58.7	20 12 . .	.	.	.
28	π Capricorni	11	21 34.74	- 0.03	- 8.28	57 22 5.58	47.462	+ 1 29.0	58.6	20 21 . .	.	.	.
29	μ Aquarii	11	47 15.01	+ 0.02	- 8.25	48 12 4.30	46.266	+ 1 3.9	57.2	20 47 . .	.	.	.
30	μ Capricorni	11	47 50.12	+ 0.00	- 8.31	52 52 5.32	45.620	+ 1 15.6	58.6	21 47 . .	.	.	.
	August 20, I.												
31	Venus I, C.	6	47 37.72	+ 0.11	- 8.32	29 36 9.40	47.650	+ 31.8	57.8	10 47 29.51	+ 0.41	+ 9 13 48.0	.
32	Venus II	5	47 38.52	+ 0.11	- 8.32	.	.	.	.	10 47 30.31	- 0.39	.	.
33	δ Leonis	9	8 44.40	+ 0.18	- 8.23	17 44 . .	.	.	.	11 8 . .	.	.	.
34	Mercury I, C. . . .	11	10 15.56	+ 0.09	- 8.33	32 48 5.70	47.944	+ 36.0	57.8	11 10 7.32	+ 0.17	+ 6 1 41.9	.
35	β Leonis	11	43 55.20	+ 0.15	- 8.40	23 42 10.88	43.890	+ 24.5	57.5	11 43 . .	.	.	.
36	γ Corvi	8	10 37.26	- 0.06	- 8.38	55 48 . .	.	.	.	12 10 . .	.	.	.
37	α Canum Venat. . . .	11	51 19.54	+ 0.32	- 8.37	359 58 6.75	46.495	+ 0.0	58.1	12 51 . .	.	.	.
38	α Virginis	8	19 53.01	- 0.02	- 8.34	49 28 6.50	43.424	+ 1 5.0	57.9	13 19 . .	.	.	.
39	α Ursæ Minoris S. P.	6	21 50.04	- 14.34	[- 8.35]	307 38 4.80	44.305	- 1 11.8	[59.3]	1 21 . .	.	.	.
	August 20, K.												
40	α^2 Geminorum	11	28 8.23	+ 0.23	- 8.40	6 44 7.05	45.235	+ 6.6	57.9	7 28 . .	.	.	.
41	α Hydræ	11	22 38.35	- 0.01	- 8.53	47 2 5.38	47.479	+ 59.2	60.3	9 22 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
17 12 12	29.890	72.8	70.3	2.	Bisections at III, V.					
17 7 20	29.886	71.3	70.8	6, 16.	Bisections at I, II.	6	+ 3.8	- 15 50.0	.	- 15 46.2
18 7 44	29.890	73.8	72.0	7, 8, 17, 40.	Bisections at VI, VII.	7	+ 3.9	+ 15 50.0	.	+ 15 53.9
18 9 54	29.866	75.0	73.4	24.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	16	+ 3.9	+ 15 49.4	.	+ 15 53.3
11 12	29.856	77.1	75.7	26.	Bisections at III, IV, V.	17	+ 3.8	- 15 49.4	.	- 15 45.6
11 46	29.850	78.2	76.8	35, 37.	Bisections at II, VI, VII.	18	+ 2.6	.	0.0	+ 2.6
12 27	29.838	79.0	77.1	39.	Bisection at V.	20	+ 3.7	.	- 0.1	+ 3.6
13 17	29.838	79.5	77.6			26	+ 51 2.7	+ 15 26.4	.	+ 66 29.1
8 41	30.004	69.0	68.3			31	+ 2.6	.	0.0	+ 2.6
9 22	30.006	70.0	69.9			34	+ 3.8	.	- 0.1	+ 3.7
19 9 58	30.010	71.3	71.1							
10 43	30.016	71.5	71.4							
11 8	30.014	72.0	71.9							
11 43	30.012	72.5	71.8							
12 10	30.016	73.5	72.9							
13 21	30.022	73.5	72.4							
19 29	30.032	65.5	63.2							
20 21	30.030	64.0	62.2							
21 47	30.073	62.5	60.4							
20 10 2	30.066	72.0	71.4							
10 47	.	.	73.1							
11 10	30.062	74.8	74.1							
11 43	30.054	75.8	74.3							
12 51	30.020	75.9	75.0							
13 19	30.010	75.0	74.1							
7 30	29.886	71.6	72.1							
9 19	29.870	75.8	76.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instru- ment.	Clock.								
August 21, K.														
1	Sun I, S.	11	3	54.60	+ 0.10	- 8.50	27 18 5.18	46.825	+ 28.5	59.1	10 3 46.20	+64.88	+ 11 32 13.7	. .
2	Sun II, N.	11	6	4.36	+ 0.10	- 8.50	26 46 9.02	47.678	+ 27.8	59.1	10 5 55.96	-64.88	+ 12 3 52.2	. .
3	Venus I, C.	6	52	15.40	+ 0.08	- 8.52	30 6 4.95	43.109	+ 31.8	59.1	10 52 6.96	+ 0.32	+ 8 45 20.8	. .
4	Venus II.	5	52	16.02	+ 0.08	- 8.52					10 52 7.58	- 0.30		. .
5	Mercury I, C. . . .	3	16	2.77	+ 0.06	- 8.53	33 34 8.22	42.671	+ 36.3	59.1	11 15 54.34	+ 0.18	+ 5 17 21.5	. .
August 24, L.														
6	λ Ursæ Minoris . . .	5	26	41.28	+ 15.33	[-10.61]	309 54 5.32	43.205	- 1 7.7	[59.4]	19 26 . . .			. .
7	γ Aquilæ	11	41	32.87	+ 0.10	- 10.56	28 30 8.85	41.730	+ 30.9	59.9	19 41 . . .			. .
8	B. D. -18°, 6178 . .	11	38	28.35	- 0.06	- 10.64	56 58 7.10	45.415	+ 1 27.1	58.9	22 38 17.65	- 4.28	- 18 8 20.8	-21.4
9	λ Aquarii	11	47	26.03	0.00	- 10.63	46 58 8.35	44.441	+ 1 0.6	58.9	22 47 . . .			. .
10	α Piscis Australis .	11	52	9.79	- 0.14	- 10.78	69 0 7.48	41.289	+ 2 26.7	58.7	22 51 . . .			. .
11	α Pegasi	11	59	49.04	+ 0.12	- 10.63	24 12 9.25	44.009	+ 25.5	58.7	22 59 . . .			. .
12	θ Piscium	11	22	55.80	+ 0.08	- 10.55	33 2 8.82	44.182	+ 36.8	58.1	23 22 . . .			. .
13	Moon II, N.	11	37	0.94	+ 0.04	- 10.66	38 54 8.92	45.324	+ 45.7	58.9	23 36 50.32	-61.22	- 0 3 39.6	. .
August 24, K.														
14	α² Geminorum . . .	11	28	10.35	+ 0.22	- 10.40	6 44 2.75	45.616	+ 6.6	59.2	7 28 . . .			. .
15	α Canis Minoris . .	11	34	3.71	+ 0.08	- 10.50	33 20 1.65	48.620	+ 36.7	59.6	7 33 . . .			. .
16	β Geminorum	11	39	9.56	+ 0.20	- 10.46	10 34 5.45	46.369	+ 10.5	59.0	7 38 . . .			. .
17	α Hydræ	11	22	40.51	+ 0.01	- 10.67	47 2 4.18	47.492	+ 59.4	59.9	9 22 . . .			. .
August 25, K.														
18	Sun I, N.	11	18	39.04	+ 0.10	- 10.61	28 8 10.15	47.915	+ 29.6	59.1	10 18 28.53	+64.67	+ 10 41 46.6	. .
19	Sun II, S.	11	20	48.38	+ 0.10	- 10.62	28 40 10.68	46.940	+ 30.2	59.1	10 20 37.86	-64.66	+ 10 10 2.3	. .
20	Venus I, C.	5	10	39.22	+ 0.09	- 10.65	32 2 6.22	43.222	+ 34.4	59.1	11 10 28.66	+ 0.38	+ 6 49 14.8	. .
21	Venus II	6	10	39.97	+ 0.09	- 10.65					11 10 29.41	- 0.37		. .
22	Mercury I, C. . . .	11	38	12.33	+ 0.06	- 10.68	36 28 4.32	46.601	+ 40.6	59.1	11 38 1.71	+ 0.18	+ 2 22 5.8	. .
23	β Leonis	11	43	57.47	+ 0.13	- 10.66	23 42 8.05	44.135	+ 24.2	58.1	11 43 . . .			. .
24	β Corvi	11	29	7.61	- 0.07	- 10.76	61 38 3.05	48.760	+ 1 41.4	60.4	12 28 . . .			. .
25	α Virginis	11	19	55.34	0.00	- 10.73	49 28 5.75	43.488	+ 1 4.0	57.7	13 19 . . .			. .
26	α Ursæ Minoris S. P.	4	21	52.54	- 11.02	[-10.71]	307 38 . . .				1 21 . . .			. .
27	B. D. -18°, 6175 . .	11	37	42.51	- 0.14	- 10.89	57 26 4.05	42.752	+ 1 27.8	61.9	22 37 31.48	- 4.30	- 18 35 24.4	-21.3
28	O. Arg. S. 22395 . .	11	40	43.67	- 0.14	- 10.89	57 26 4.05	42.778	+ 1 28.0	61.9	22 40 32.64	- 4.30	- 18 38 40.3	-21.5
29	λ Aquarii	11	47	26.41	- 0.07	- 10.93	46 58 0.20	45.002	+ 1 0.2	61.8	22 47 . . .			. .
30	α Piscis Australis .	11	52	9.79	- 0.14	- 10.78	69 0 7.48	41.289	+ 2 26.7	61.1	22 51 . . .			. .
31	z Piscium	11	34	50.80	+ 0.01	- 10.94	33 46 2.18	46.981	+ 37.7	63.8	23 34 . . .			. .
32	Groombridge 4163 .	11	50	0.90	+ 0.97	[-10.90]	325 2 . . .				23 49 . . .			. .
33	ω Piscium	11	54	12.86	+ 0.01	- 10.88	32 34 1.18	42.315	+ 36.0	62.1	23 54 . . .			. .
34	γ Pegasi	11	8	7.29	+ 0.06	- 10.87	24 14 5.15	45.560	+ 25.4	60.7	0 7 . . .			. .
35	Moon II, N.	11	20	36.45	+ 0.01	- 10.92	33 8 4.65	42.459	+ 36.8	61.9	0 20 25.54	-61.31	+ 5 43 31.5	. .
August 25, P.														
36	β Geminorum	11	39	10.37	+ 0.06	- 11.10	10 34 7.22	46.378	+ 10.5	60.9	7 38 . . .			. .
37	15 Argus	11	3	19.22	- 0.14	- 11.27	62 50 7.58	43.775	+ 1 47.9	61.7	8 3 . . .			. .
38	ε Hydræ	11	41	28.92	- 0.02	- 11.13	32 2 8.92	46.918	+ 34.7	61.7	8 41 . . .			. .
August 26, P.														
39	Sun I, N.	11	22	19.43	- 0.01	- 11.26	28 30 12.35	44.762	+ 29.9	61.9	10 22 8.16	+64.50	+ 10 20 47.4	. .
40	Sun II, S.	9	24	28.44	- 0.01	- 11.26	29 2 9.38	43.728	+ 30.5	61.9	10 24 17.17	-64.51	+ 9 49 7.7	. .
41	Venus I, C.	6	15	13.97	- 0.02	- 11.29	32 30 11.22	47.798	+ 35.0	61.9	11 15 2.66	+ 0.36	+ 6 19 44.3	. .
42	Venus II	5	15	14.68	- 0.02	- 11.29					11 15 3.37	- 0.35		. .
43	γ Corvi	11	10	40.26	- 0.11	- 11.36	55 48 1.90	45.444	+ 1 20.4	63.0	12 10 . . .			. .
44	α Canum Venat. . .	11	51	22.63	+ 0.11	- 11.31	359 58 4.28	46.876	0.0	61.5	12 51 . . .			. .
45	α Virginis	11	19	56.06	- 0.08	- 11.38	49 28 4.72	43.789	+ 1 3.8	62.4	13 19 . . .			. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d	h m	in.	°	°										
21	10 5	29.856	77.3	77.3	1.	Bisection at I.		1	+	4.0	+15 49.2	. .	+15 53.2	. .
24	19 27	29.844	78.5	79.0	2, 19, 38, 40.	Bisections at VI, VII.		2	+	3.9	-15 49.2	. .	-15 45.3	. .
23	22 38	29.840	62.4	60.4	6.	Bisections C, C ₅ .		3	+	2.6		0.0	+ 2.6	. .
23	36	29.810	63.5	62.1	13, 35.	Bisections at II, III, IV, V, VI. .		5	+	3.9		- 0.2	+ 3.7	. .
7	25	29.906	70.8	71.1	18, 39.	Bisections at I, II.		13	+34	2.5	-14 51.3	. .	+19 11.2	. .
9	27	29.914	75.6	75.4	27, 28.	Bisections at II, VI.		18	+	4.1	-15 52.1	. .	-15 48.0	. .
25	10 20	29.914	77.0	76.5	28.	Z. D. thread A used.		19	+	4.2	+15 52.1	. .	+15 56.3	. .
11	13	29.910	78.0	78.0	29.	Bisections at II, VI, VII.		20	+	2.8		0.0	+ 2.8	. .
12	7	29.904	80.3	79.2				22	+	4.3		- 0.2	+ 4.1	. .
13	21	29.892	81.2	80.1				35	+29	28.6	-14 47.7	. .	+14 40.9	. .
22	44	29.880	68.5	66.3				39	+	4.2	-15 49.8	. .	-15 45.6	. .
23	36	29.872	67.5	65.3				40	+	4.2	+15 49.9	. .	+15 54.1	. .
0	16	29.874	67.6	65.0				41	+	2.8		0.0	+ 2.8	. .
7	38	29.944	72.5	72.5										
8	3	29.948	74.0	73.9										
8	41	29.948	76.0	75.4										
26	10 24	29.934	79.0	79.2										
12	10	29.914	81.0	80.9										
13	19	29.892	82.5	81.7										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.				CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRA- TION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.								
			MEAN THREAD.		Instru- ment.	Clock.																
			m	s																		
			m	s	s	s	°	'	''	rev.	'	''	''	h	m	s	s	°	'	''	'	''
1	α Ursæ Minoris s. P.	9	21	49.83	- 6.92	[-11.35]	307	38	4.78	44.357	- I	10.4	[61.7]	1	21	.	.	.	.	.	.	.
2	ε Piscium	11	57	47.91	+ 0.02	-11.61	31	30	2.38	46.759	+	34.4	61.5	0	57	.	.	.	.	.	.	.
3	Moon II, N.	11	4	46.44	+ 0.04	-11.62	27	36	0.95	44.234	+	29.3	61.6	1	4	34.86	-62.13	+	11	15	8.3	.
4	θ^1 Ceti	11	19	4.79	- 0.05	-11.68	47	34	1.85	42.174	+	1.3	62.6	1	18	.	.	.	.	.	.	.
5	α Ursæ Minoris	6	21	35.16	+ 8.44	[-11.66]	310	8	3.38	42.353	- I	6.2	[61.0]	1	21	.	.	.	.	.	.	.
6	α Piscium	11	40	9.10	+ 0.03	-11.59	30	12	3.60	46.001	+	32.7	60.7	1	39	.	.	.	.	.	.	.
	August 27, L.																					
7	θ^1 Ceti	11	19	5.26	- 0.11	-12.07	47	34	2.22	42.060	+	2.6	62.2	1	18	.	.	.	.	.	.	.
8	α Ursæ Minoris	7	21	33.33	+ 11.44	[-12.03]	310	7	57.45	42.740	- I	7.6	[62.4]	1	21	.	.	.	.	.	.	.
9	α Piscium	11	40	9.62	- 0.02	-12.03	30	12	4.38	45.962	+	33.4	61.5	1	39	.	.	.	.	.	.	.
10	Moon II, N.	11	50	28.97	+ 0.03	-12.04	22	30	3.90	47.287	+	23.8	61.6	1	50	16.96	-63.62	+	16	20	12.3	.
11	α Arietis	11	1	34.02	+ 0.07	-12.01	15	52	4.18	46.502	+	16.3	61.0	2	1	.	.	.	.	.	.	.
	August 27, K.																					
12	α^2 Geminorum	11	28	11.94	+ 0.23	-11.92	6	43	58.70	45.969	+	6.7	61.7	7	28	.	.	.	.	.	.	.
13	α Canis Minoris	11	34	5.25	+ 0.09	-11.99	33	20	7.85	48.381	+	37.3	61.9	7	33	.	.	.	.	.	.	.
14	β Geminorum	11	39	11.15	+ 0.21	-11.98	10	33	59.72	46.789	+	10.6	61.2	7	38	.	.	.	.	.	.	.
15	ε Hydræ	11	41	29.69	+ 0.09	-11.98	32	2	3.42	47.240	+	35.3	61.6	8	41	.	.	.	.	.	.	.
16	α Hydræ	11	22	42.00	+ 0.02	-12.12	47	2	2.78	47.635	+	0.4	61.4	9	22	.	.	.	.	.	.	.
	August 28, K.																					
17	Sun S.						29	44	3.70	45.415	+	32.0	61.9	.	.	.	.	+	9	6	41.4	.
18	Sun II, N.	11	31	47.08	+ 0.11	-12.08	29	12	7.80	45.880	+	31.3	61.9	10	31	35.11	-64.51	+	9	38	27.2	.
19	Mercury I, C.	11	53	49.60	+ 0.06	-12.12	38	36	7.82	46.410	+	44.6	61.9	11	53	37.54	+ 0.19	+	0	14	4.8	.
20	α Virginis	11	19	56.78	+ 0.01	-12.21	49	28	8.48	43.519	+	5.1	62.4	13	19	.	.	+	.	.	.	.
21	α Ursæ Minoris s. P.	4	21	56.46	-11.16	[-12.15]	307	38	10.38	44.177	- I	11.9	[61.9]	1	21	.	.	.	.	.	.	.
22	ζ Virginis	11	29	37.50	+ 0.06	-12.13	38	54	7.72	46.828	+	45.0	63.2	13	29	.	.	.	.	.	.	.
23	θ Aquarii	11	11	37.25	- 0.13	-12.23	47	7	59.18	45.449	+	1.4	62.4	22	11	.	.	.	.	.	.	.
24	π Aquarii	11	20	14.25	- 0.06	-12.29	38	0	10.90	42.409	+	44.5	62.2	22	20	.	.	.	.	.	.	.
25	Hermertaria.	11	27	30.26	- 0.26	-12.26	61	50	2.85	37.885	+	1 46.2	61.8	22	27	17.74	.	-	23	1	24.0	.
26	B. D. -18°, 6175	11	37	43.95	- 0.21	-12.26	57	26	0.85	42.878	+	I 29.1	61.8	22	37	31.48	- 4.31	-	18	35	23.5	-21.2
27	O. Arg. S. 22395	11	40	45.03	- 0.21	-12.26	57	26	0.85	42.905	+	I 29.3	61.8	22	40	32.56	- 4.31	-	18	38	39.4	-21.4
28	α Pegasi	11	59	50.78	+ 0.05	-12.26	24	12	5.82	44.331	+	25.7	62.3	22	59	.	.	.	.	.	.	.
29	B. D. -5°, 6006	9	26	36.10	- 0.10	-12.27	43	50	6.72	43.030	+	54.8	61.8	23	26	23.73	- 3.95	-	4	58	58.2	-24.
30	B. D. -4°, 5923	11	34	21.96	- 0.10	-12.28	42	54	4.10	42.420	+	53.1	61.8	23	34	9.58	- 3.92	-	4	2	43.6	-24.4
31	B. D. -3°, 5698	11	40	19.08	- 0.09	-12.28	42	2	3.65	44.439	+	51.5	61.8	23	40	6.71	- 3.90	-	3	11	20.2	-24.5
32	B. D. -2°, 6051	11	47	53.44	- 0.08	-12.28	41	10	8.30	40.112	+	50.0	61.8	23	47	41.08	- 3.87	-	2	18	0.4	-24.8
33	α^2 Piscium	11	54	14.39	- 0.01	-12.34	32	34	10.80	41.750	+	36.5	61.8	23	54	.	.	.	.	.	.	.
34	γ^2 Pegasi	11	8	8.71	+ 0.05	-12.23	24	14	3.60	45.635	+	25.8	61.5	0	7	.	.	.	.	.	.	.
35	12 Ceti	11	25	0.04	- 0.10	-12.25	43	22	3.00	44.816	+	54.1	62.6	0	24	.	.	.	.	.	.	.
36	α Ursæ Minoris	5	21	27.23	+ 18.65	[-12.32]	310	8	3.85	42.558	- I	7.7	[64.4]	1	21	.	.	.	.	.	.	.
37	α Piscium	11	40	10.01	0.00	-12.42	30	12	3.50	45.966	+	33.4	60.9	1	39	.	.	.	.	.	.	.
38	α Arietis	11	1	34.31	+ 0.12	-12.32	15	52	4.55	46.482	+	16.4	61.2	2	1	.	.	.	.	.	.	.
39	ξ^1 Ceti	11	7	44.98	0.00	-12.36	30	30	7.70	41.174	+	33.8	61.4	2	7	.	.	.	.	.	.	.
40	ξ^2 Ceti	11	22	53.07	0.00	[-12.00]	30	52	3.62	40.899	+	34.3	[58.8]	2	22	.	.	.	.	.	.	.
41	Moon II, N.	11	38	37.98	+ 0.10	-12.39	18	4	5.60	45.129	+	18.8	61.8	2	38	25.69	-65.63	+	20	46	57.2	.
	August 28, P.																					
42	α Hydræ	11	22	42.57	- 0.05	-12.61	47	2	6.10	47.375	+	I 0.2	60.7	9	22	.	.	.	.	.	.	.
43	ε Leonis.	11	40	11.22	+ 0.12	-12.60	14	36	7.98	44.690	+	14.6	61.1	9	39	.	.	.	.	.	.	.
	August 29, P.																					
44	Sun I, S.	11	33	17.34	+ 0.04	-12.63	30	6	8.08	43.215	+	32.4	61.4	10	33	4.75	+ 64.39	+	8	45	18.3	.
45	Sun II, N.	11	35	26.12	+ 0.04	-12.63	29	34	8.00	44.115	+	31.7	61.4	10	35	13.53	-64.39	+	9	17	0.0	.
46	Venus I, C.	5	28	53.84	+ 0.02	-12.65	34	0	10.48	46.298	+	37.6	61.4	11	28	41.21	+ 0.35	+	4	50	10.7	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
26 0 57	29.842	69.0	67.5	1, 21.	Bisections at D ₃ , D ₁ , C ₅ .	3	+24 55.3	-14 46.0	.	+10 9.3
1 40	29.830	68.5	67.1			10	+20 35.4	-14 46.5	.	+ 5 48.9
27 1 23	30.052	63.0	60.1	3, 10, 41.	Bisections at II, III, IV, V, VI.				.	
2 1	30.050	62.3	60.1	5.	Bisections at C ₃ , C ₄ , C ₅ .	17	+ 4.3	+15 52.9	.	+15 57.2
7 24	30.134	67.5	67.5	8.	Bisection at B ₃ .	18	+ 4.3	-15 52.9	.	-15 48.6
7 41	30.136	68.3	68.1	16.	Bisection at II.	19	+ 4.7	. . .	-0.2	+ 4.5
8 38	30.142	72.0	70.2			25	+ 4.8	. . .	.	+ 4.8
9 19	30.140	72.0	71.4	17, 26, 27, 29, 44.	Bisections at I, II.	41	+16 42.8	-14 49.6	.	+ 1 53.2
28 10 31	30.140	73.4	72.7	18, 45.	Bisections at VI, VII.	44	+ 4.4	+15 15.8	.	+15 55.2
11 49	30.130	75.2	74.4	25.	Bisections at II, VI, VII.	45	+ 4.3	-15 50.8	.	-15 46.5
13 26	30.112	76.2	75.0	25, 27.	Z. D. thread A used.	46	+ 3.0	. . .	0.0	+ 3.0
22 14	30.088	65.0	63.4	36.	Bisections at C ₁ , C ₃ , C ₅ .					
22 56	30.082	64.3	62.4							
0 5	30.080	62.7	61.0							
0 27	30.076	62.3	60.6							
1 24	30.074	61.4	59.6							
2 0	30.070	61.3	59.1							
2 34	30.068	60.5	58.6							
9 22	30.093	72.5	71.9							
9 39	30.096	72.5	72.1							
29 10 35	30.084	73.5	73.3							
11 29	30.066	74.5	74.3							
				25.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	Venus II	6	28 54.52	+ 0.02	-12.65	23 42 7.00	44.389	+ 24.5	61.9	11 28 41.89	- 0.33		
2	β Leonis	11	43 59.55	+ 0.07	-12.68	39 18 7.32	45.842	+ 45.6	61.4	11 43 . . .	+ 0.04	0 27 45.3	
3	Mercury C, C.	11	58 51.58	- 0.01	-12.67	359 58 8.02	46.692	0.0	61.2	12 51 . . .			
4	α Canum Venat.	11	51 23.85	+ 0.22	-12.67	49 28 7.38	43.560	+ 1 5.0	62.0	13 19 . . .			
5	α Virginis	8	19 57.35	- 0.07	-12.70	307 38 7.40	44.270	- 1 11.7	[61.9]	1 21 . . .			
6	α Ursæ Minoris S. P.	9	21 58.16	- 11.50	[-12.67]	310 8 1.60	42.452	- 1 7.6	[60.4]	1 21 . . .			
7	α Ursæ Minoris	8	21 36.39	+ 11.14	[-13.12]	18 12 3.68	42.334	+ 18.9	59.6	3 8 . . .			
8	ζ Arietis	11	9 11.54	+ 0.25	-13.13	14 30 3.92	42.311	+ 14.9	60.2	3 29 42.58	-67.93	+ 24 21 55.2	
9	Moon II, N.	11	29 55.43	+ 0.28	-13.13	15 4 2.10	44.388	+ 15.5	60.2	3 41 . . .			
10	γ Tauri	11	41 34.17	+ 0.27	-13.12	7 16 3.82	46.582	+ 7.4	60.9	3 47 . . .			
11	ζ Persei	11	47 51.78	+ 0.31	-13.13								
August 30, P.													
12	γ Tauri	11	41 34.91	+ 0.21	-13.77	15 4 2.40	44.375	+ 15.3	59.6	3 41 . . .			
13	ζ Persei	11	47 52.49	+ 0.25	-13.74	7 16 3.08	46.532	+ 7.3	59.7	3 47 . . .			
14	γ Tauri	11	14 8.95	+ 0.16	-13.64	23 28 2.58	45.155	+ 24.6	59.9	4 13 . . .			
15	Moon N.	. . .		. . .	. . .	12 2 4.30	41.364	+ 12.1	59.7	4 23 . . .		+ 26 50 15.3	
16	Mars I, C.	6	29 25.23	+ 0.19	-13.73	18 10 5.18	42.175	+ 18.6	59.7	4 29 11.69	+ 0.23	+ 20 41 52.2	
17	Mars II	5	29 25.78	+ 0.19	-13.73					4 29 12.24	- 0.32		
August 30, L.													
18	α Hydræ	11	22 43.69	- 0.01	-13.74	47 2 . . .				9 22 . . .			
19	α Leonis	11	3 5.34	+ 0.09	-13.76	26 22 9.25	46.094	+ 26.9	62.0	10 2 . . .			
August 31, L.													
20	Sun I, S.	11	40 34.54	+ 0.07	-13.81	30 48 9.20	47.260	+ 32.3	61.6	10 40 20.80	+ 64.40	+ 8 1 59.9	
21	Sun II, N.	11	42 43.35	+ 0.07	-13.81	30 16 9.22	47.885	+ 31.6	61.6	10 42 29.61	- 64.41	+ 8 33 46.8	
22	Venus I, C.	6	37 58.30	+ 0.05	-13.86	35 0 14.18	47.429	+ 37.8	61.6	11 37 44.49	+ 0.36	+ 3 49 45.3	
23	Venus II	5	37 59.00	+ 0.05	-13.86					11 37 45.19	- 0.34		
24	β Leonis	11	44 0.72	+ 0.10	-13.88	23 42 9.60	44.266	+ 23.7	61.2	11 43 . . .			
25	Mercury I, C.	11	8 38.62	+ 0.02	-13.89	40 40 13.82	45.875	+ 46.2	61.6	12 8 24.75	+ 0.20	1 49 52.8	
26	α Canum Venat.	11	51 25.10	+ 0.24	-13.96	359 58 6.65	46.810	0.0	61.5	12 51 . . .			
27	α Virginis	11	19 58.51	- 0.02	-13.93	49 28 . . .				13 19 . . .			
28	ϵ Ursæ Minoris S. P.	7	56 50.40	- 2.09	[-14.35]	301 6 . . .				16 56 . . .			
29	β Orionis	11	9 49.04	+ 0.03	-14.35	47 10 11.48	42.245	+ 1 1.9	61.0	5 9 . . .			
30	β Tauri	11	20 0.15	+ 0.24	-14.36	10 20 9.28	44.190	+ 10.5	60.5	5 19 . . .			
31	Moon II	11	22 27.50	+ 0.24	-14.36	11 10 . . .				5 22 13.38	-71.89		
32	δ Orionis	11	26 58.29	+ 0.07	-14.36	39 12 4.88	47.528	+ 46.9	61.2	5 26 . . .			
August 31, S.													
33	α Hydræ	11	22 44.15	+ 0.08	-14.28	47 2 6.05	47.373	+ 1 0.5	61.7	9 22 . . .			
34	α Leonis	11	3 5.73	0.18	-14.23	26 22 7.20	46.160	+ 27.9	62.1	10 2 . . .			
35	γ Leonis	9	14 30.14	+ 0.21	-14.23	18 28 8.38	48.009	+ 18.8	60.3	10 14 . . .			
September 1, S.													
36	Sun I, N.	11	44 12.62	+ 0.16	-14.29	30 38 4.30	47.675	+ 33.3	61.4	10 43 58.49	+ 64.36	+ 8 11 55.7	
37	Sun II, S.	11	46 21.35	+ 0.16	-14.30	31 10 12.05	46.525	+ 34.0	61.4	10 46 7.21	- 64.36	+ 7 40 7.4	
38	Venus I, C.	6	42 29.75	+ 0.14	-14.35	35 32 8.18	42.608	+ 39.9	61.4	11 42 15.54	+ 0.42	+ 3 19 21.5	
39	Venus II	5	42 30.56	+ 0.14	-14.35					11 42 16.35	- 0.39		
40	β Leonis	11	44 1.06	+ 0.19	-14.31	23 42 7.80	44.240	+ 24.6	61.1	11 43 . . .			
41	α Canum Venat.	11	51 25.46	+ 0.32	-14.41	359 58 4.88	46.852	0.0	61.0	12 51 . . .			
42	α Virginis	11	19 58.95	+ 0.08	-14.48	49 28 5.55	43.582	+ 1 5.0	62.2	13 19 . . .			
43	α Ursæ Minoris S. P.	6	22 1.59	- 10.77	[-14.42]	307 38 7.58	44.402	- 1 11.8	[61.5]	1 21 . . .			
44	β Tauri	11	20 0.51	+ 0.24	-14.69	10 20 8.78	44.201	+ 10.5	60.3	5 19 . . .			
45	δ Orionis	11	26 58.65	+ 0.07	-14.70	39 12 5.08	47.496	+ 47.0	62.1	5 26 . . .			

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				/ //	/ //	//	/ //
29	11 58	30.058	75.0	74.3	6.	Bisections at C ₃ , C ₂ , C ₁ .	3	+ 4.8	. . .	- 0.3	+ 4.5
	13 19	30.040	76.0	74.9	7.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	9	+ 13 32.8	- 14 55.5	.	- 1 22.7
	1 21	29.874	60.0	57.4	9, 15.	Bisections at II, III, IV, V, VI.	15	+ 11 21.8	- 15 4.3	.	- 3 42.5
	3 9	29.854	57.5	56.0	10, 13, 33, 41.	Bisections at II, VI, VII.	16	+ 2.7	. . .	- 0.1	+ 2.6
	3 47	29.854	57.5	56.4	20, 36.	Bisections at I, II.	20	+ 4.5	+ 15 53.4	.	+ 15 57.9
30	3 41	29.624	62.0	59.9	21, 37, 40, 42.	Bisections at VI, VII.	21	+ 4.4	- 15 53.4	.	- 15 49.0
	4 29	29.628	60.5	59.0	43.	Bisections at D ₃ , D ₁ .	22	+ 3.1	. . .	- 0.1	+ 3.0
	10 3	29.652	81.7	81.1			25	+ 5.0	. . .	- 0.3	+ 4.7
31	10 42	29.648	82.8	82.3			36	+ 4.5	- 15 54.1	.	- 15 49.6
	11 44	29.650	85.5	85.1			37	+ 4.5	+ 15 54.2	.	+ 15 58.7
	5 9	29.950	60.0	57.1			38	+ 3.1	. . .	- 0.1	+ 3.0
	5 26	29.964	60.1	57.3							
	9 22	30.036	69.2	67.9							
	10 14	30.036	70.8	69.9							
I	10 46	30.032	71.1	70.1							
	11 44	30.038	73.6	72.2							
	13 22	30.024	75.8	74.1							
	5 19	30.106	60.5	58.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ϵ Orionis	4	31 13.22	+ 0.07	-14.73	40 6 . .	. .	. .	. .	5 30 . .	. .		. .
2	μ Geminorum	5	16 57.22	+ 0.20	-14.63	16 16 5.12	47.855	+ 16.8	60.6	6 16 . .	. .		. .
3	Moon II	11	22 22.42	+ 0.23	-14.70	11 38 . .	. .	. .	. .	6 22 7.95	-72.74		. .
4	γ Geminorum	11	31 59.23	+ 0.16	-14.68	22 22 6.12	43.391	+ 23.5	60.6	6 31 . .	. .		. .
	September 2, L.												
5	δ Geminorum	11	14 12.46	+ 0.14	-15.44	16 40 7.82	46.524	+ 16.7	60.2	7 13 . .	. .		. .
6	Moon II	11	22 55.25	+ 0.15	-15.43	13 48 . .	. .	. .	. .	7 22 39.97	-72.59		. .
7	α^2 Geminorum	11	28 15.70	+ 0.18	-15.46	6 44 7.12	45.554	+ 6.6	61.5	7 28 . .	. .		. .
8	β Geminorum	11	39 14.88	+ 0.16	-15.50	10 34 6.28	46.481	+ 10.4	61.0	7 38 . .	. .		. .
9	α Leonis	11	3 7.11	+ 0.11	-15.51	26 22 11.50	46.059	+ 26.9	63.3	10 2 . .	. .		. .
	September 3, L.												
10	Sun I, N.	11	51 28.55	+ 0.09	-15.66	31 22 12.02	47.788	+ 32.9	63.2	10 51 12.98	+64.22	+ 7 27 48.0	. .
11	Sun II, S.	11	53 36.98	+ 0.09	-15.66	31 54 9.82	47.000	+ 33.6	63.2	10 53 21.41	-64.21	+ 6 56 2.8	. .
12	Venus I, C.	6	51 32.58	+ 0.08	-15.73	36 32 12.68	45.861	+ 39.7	63.2	11 51 16.93	+ 0.43	+ 2 18 16.6	. .
13	Venus II.	5	51 33.42	+ 0.08	-15.73		. .	. .	. .	11 51 17.77	- 0.41		. .
14	Mercury I, C.	11	22 39.31	+ 0.06	-15.76	42 40 14.55	42.209	+ 49.2	63.2	12 22 23.61	+ 0.20	- 3 48 44.7	. .
15	α Canum Venat. . . .	11	51 26.93	+ 0.21	-15.78	359 58 8.55	46.740	0.0	63.0	12 51 . .	. .		. .
16	α Virginis	11	20 0.35	+ 0.03	-15.84	49 28 . .	. .	. .	. .	13 19 . .	. .		. .
17	α Cephei	11	16 24.61	+ 0.36	[-16.05]	536 44 . .	. .	. .	. .	21 16 . .	. .		. .
18	α Aquarii	10	0 46.56	+ 0.07	-16.07	39 40 12.00	43.888	+ 46.2	63.5	22 10 . .	. .		. .
19	θ Aquarii	. .		. .	. .	47 8 0.28	45.445	+ 1 0.0	62.2	22 11 . .	. .		. .
20	Radcliffe 6058	. .		. .	. .	57 38 2.02	45.440	+ 1 27.8	62.7	22 31 . .	. .	18 48 13.1	-20.6
21	B. D. - 18°, 6178 . .	. .		. .	. .	56 58 4.35	45.804	+ 1 25.7	62.7	22 38 . .	. .	18 8 20.3	-21.3
22	λ Aquarii	11	47 31.49	+ 0.04	-16.04	46 58 0.30	44.982	+ 59.7	62.3	22 47 . .	. .		. .
	September 7, S.												
23	γ H. Cephei s. p. . .	7	52 25.69	- 4.64	[-18.21]	306 6 . .	. .	. .	. .	6 52 . .	. .		. .
24	λ Aquilæ	11	1 5.33	+ 0.11	-18.18	43 52 9.45	46.832	+ 54.2	61.6	19 0 . .	. .		. .
25	π Sagittarii	11	3 56.94	+ 0.03	-18.27	60 0 9.70	48.004	+ 1 37.4	60.9	19 3 . .	. .		. .
26	ι Aquarii	11	1 11.76	+ 0.07	-18.34	53 12 9.10	45.410	+ 1 15.6	61.0	22 0 . .	. .		. .
27	Hermentaria	9	19 34.96	+ 0.02	-18.35	62 38 9.95	42.812	+ 1 49.2	61.2	22 19 16.63	. .	- 23 51 10.0	. .
28	B. D. - 19°, 6281 . .	11	23 33.88	+ 0.04	-18.35	58 2 10.25	42.902	+ 1 30.7	61.2	22 23 15.57	- 4.42	- 19 14 52.2	-19.7
	September 8, P.												
29	Hermentaria	11	18 50.29	0.00	-19.07	62 42 2.78	42.850	+ 1 50.0	59.8	22 18 31.22	. .	- 23 55 4.4	. .
30	B. D. - 18°, 6178 . .	11	38 36.61	+ 0.03	-19.08	56 58 5.28	45.524	+ 1 27.3	59.8	22 38 17.56	- 4.38	- 18 8 20.3	-21.0
31	λ Aquarii	11	47 34.52	+ 0.08	-19.08	46 58 4.95	44.599	+ 1 0.9	59.5	22 47 . .	. .		. .
32	α Piscis Australis . .	11	52 18.18	- 0.04	-19.13	69 0 4.48	41.562	+ 2 27.1	60.0	22 51 . .	. .		. .
33	α Pegasi	11	59 57.54	+ 0.17	-19.06	24 12 3.92	44.210	+ 25.6	59.9	22 59 . .	. .		. .
34	B. D. - 2°, 6051 . .	11	48 0.11	+ 0.10	-19.12	41 8 5.05	46.415	+ 49.8	59.8	23 47 41.09	- 4.02	- 2 17 59.8	-25.6
	September 8, S.												
35	ϵ Leonis	4	40 17.59	+ 0.21	-18.89	14 36 7.28	44.628	+ 14.6	59.1	9 39 . .	. .		. .
36	α Leonis	11	3 10.57	+ 0.16	-18.94	26 22 7.52	46.055	+ 27.6	59.6	10 2 . .	. .		. .
37	γ Leonis	11	14 34.98	+ 0.19	-18.95	18 28 7.58	48.044	+ 18.6	58.9	10 14 . .	. .		. .
	September 9, S.												
38	Sun I, N.	7	13 10.12	+ 0.14	-19.01	33 38 0.12	44.398	+ 36.8	59.2	11 12 51.25	+64.09	+ 5 12 57.0	. .
39	Sun II, S.	11	15 18.31	+ 0.14	-19.01	34 10 10.30	43.090	+ 37.6	59.2	11 14 59.44	-64.10	+ 4 41 9.3	. .
40	β Leonis	11	44 5.89	+ 0.17	-19.10	23 42 8.28	44.210	+ 24.3	58.6	11 44 . .	. .		. .
41	Venus I, C.	6	18 36.22	+ 0.12	-19.08	39 36 7.90	47.918	+ 45.6	59.2	12 18 17.26	+ 0.40	- 0 46 27.9	. .
42	Venus II	5	18 36.98	+ 0.12	-19.08		. .	. .	. .	12 18 18.02	- 0.36		. .
43	α Canum Venat. . . .	11	51 30.07	+ 0.28	-19.03	359 58 5.88	46.733	0.0	59.0	12 51 . .	. .		. .
44	Moon I	11	1 25.57	+ 0.07	-19.11	50 50 . .	. .	. .	. .	13 1 6.53	+70.41		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
1 6 31	30.116	62.9	62.4	2, 10, 38.	Bisections at I, II.	10	+ 4.6	-15 52.6	. .	-15 48.0
2 7 13	29.822	70.2	72.3	11, 15, 22, 27, 35, 39, 43.	Bisections at VI, VII.	11	+ 4.6	+15 52.6	. .	+15 57.2
3 7 38	29.826	73.9	74.1	18.	Bisections at I, VI.	12	+ 3.2		- 0.1	+ 3.1
10 2	29.812	83.9	84.1	27, 28, 29.	Z. D. thread A used.	14	+ 5.4		- 0.3	+ 5.1
3 10 53	29.795	86.6	86.8			27	+ 4.9		. .	+ 4.9
11 51	29.780	90.1	89.9			29	+ 4.9		. .	+ 4.9
12 22	29.759	91.0	90.8			38	+ 4.8	-15 53.8	. .	-15 49.0
13 19	29.718	92.8	92.0			39	+ 4.9	+15 53.8	. .	+15 58.7
22 0	29.620	71.3	70.0			41	+ 3.4		- 0.1	+ 3.3
7 18 58	29.870	67.5	65.4							
20 0	29.876	66.7	65.0							
21 0	29.880	65.0	64.1							
22 30	29.888	63.9	63.2							
22 18	29.918	63.5	61.9							
22 59	29.912	63.0	61.2							
23 47	29.910	62.0	60.2							
9 39	29.870	71.9	71.1							
10 14	29.868	73.1	72.3							
9 11 14	29.852	74.2	74.2	23 to 28. Two microscopes read; Berlin Jahrbuch star places used in reduction.						
11 44	29.840	75.1	75.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	α Virginis	11	m s 20 3.61	+ 0.08	-19.19	49 28 7.10	43.412	+ 1 4.1	59.8	13 19 . .	. .	. .	. .
2	α Ursæ Minoris S.P.	7	22 8.27	- 8.06	[-19.09]	307 38 6.55	44.445	- 1 10.8	[58.7]	1 21 . .	. .	. .	. .
3	61 ¹ Cygni	11	2 36.52	+ 0.19	-19.21	0 38 3.52	40.705	+ 0.7	58.8	21 2 . .	. .	. .	. .
4	β Aquarii	11	26 28.51	- 0.08	-19.32	44 52 4.75	44.398	+ 55.5	59.6	21 26 . .	. .	. .	. .
5	η Cephei	11	40 45.58	+ 0.74	[-19.29]	328 2 . .	. .	. .	. .	21 40 . .	. .	. .	. .
6	μ Capricorni	11	48 1.35	- 0.13	-19.36	52 52 3.05	45.878	+ 1 13.7	59.4	21 47 . .	. .	. .	. .
7	α Aquarii	11	0 49.97	- 0.05	-19.36	39 40 8.22	43.829	+ 46.3	59.3	22 0 . .	. .	. .	. .
8	Hementaria	11	18 6.30	- 0.19	-19.29	62 46 3.68	41.692	+ 1 48.5	59.4	22 17 46.82	. .	23 58 43.4	. .
9	B. D. - 19°, 6275.	6	21 2.23	- 0.16	-19.29	58 2 5.00	43.158	+ 1 29.1	59.4	22 20 42.78	- 4.41	19 5 12.5	-19.3
10	B. D. - 19°, 6281.	11	23 35.13	- 0.16	-19.29	58 2 5.00	43.075	+ 1 29.6	59.4	22 23 15.68	- 4.41	19 14 52.4	-19.5
11	Radcliffe 6058	11	31 23.92	- 0.16	-19.30	57 38 0.42	45.344	+ 1 28.1	59.4	22 31 4.46	- 4.40	18 48 13.2	-20.3
12	B. D. - 18°, 6175.	11	37 50.96	- 0.15	-19.30	57 26 3.60	42.557	+ 1 27.4	59.4	22 37 31.51	- 4.39	18 35 22.8	-20.8
13	O. Arg. S. 22395	11	40 52.02	- 0.15	-19.30	57 26 3.60	42.690	+ 1 27.6	59.4	22 40 32.57	- 4.39	18 38 38.7	-21.1
14	λ Aquarii	11	47 34.83	- 0.09	-19.22	46 58 6.62	44.490	+ 1 0.0	59.5	22 47 . .	. .	. .	. .
15	α Pegasi	11	48 1.35	- 0.13	-19.36	24 12 5.72	44.082	+ 25.2	59.6	22 59 . .	. .	. .	. .
16	θ Piscium	11	23 4.83	- 0.01	-19.32	33 2 5.60	44.410	+ 36.5	59.5	23 22 . .	. .	. .	. .
17	B. D. - 5°, 6006	11	26 43.15	- 0.07	-19.31	43 48 2.68	39.248	+ 53.8	59.4	23 26 23.77	- 4.08	4 58 58.1	-24.8
18	B. D. - 4°, 5923	9	34 29.06	- 0.07	-19.32	42 52 3.95	38.575	+ 52.1	59.4	23 34 9.67	- 4.06	4 2 44.8	-25.1
19	B. D. - 3°, 5698	11	40 26.20	- 0.06	-19.32	42 0 8.05	50.395	+ 50.6	59.4	23 40 6.82	- 4.05	3 11 19.0	-25.4
20	B. D. - 2°, 6051	11	48 0.63	- 0.06	-19.32	41 6 5.45	52.755	+ 49.0	59.4	23 47 41.25	- 4.03	2 18 0.0	-25.7
21	ω Piscium	11	54 21.47	- 0.01	-19.26	32 34 4.55	41.931	+ 35.8	59.9	23 54 . .	. .	. .	. .
September 9, L.													
22	ϵ Hydræ	11	41 37.75	+ 0.15	-19.84	32 2 . .	. .	. .	. .	8 41 . .	. .	. .	. .
23	α Hydræ	11	22 49.86	+ 0.09	-19.85	47 2 8.15	47.190	+ 59.0	58.8	9 22 . .	. .	. .	. .
24	α Leonis	11	3 11.55	+ 0.17	-19.91	26 22 8.52	46.071	+ 27.2	60.4	10 2 . .	. .	. .	. .
25	γ^1 Leonis	11	14 36.00	+ 0.20	-19.96	18 28 4.82	48.216	+ 18.3	59.7	10 14 . .	. .	. .	. .
September 10, L.													
26	Sun I, N.	11	16 46.79	+ 0.14	-19.96	34 0 11.40	46.445	+ 36.7	60.2	11 16 26.97	+ 64.08	4 50 7.6	. .
27	Sun II, S.	11	18 54.95	+ 0.14	-19.96	34 32 8.30	45.975	+ 37.4	60.2	11 18 35.13	- 64.08	4 18 17.2	. .
28	Venus I, C.	6	23 7.00	+ 0.12	-20.01	40 8 7.98	44.516	+ 45.5	60.2	12 22 47.11	+ 0.42	1 17 21.7	. .
29	Venus II	5	23 7.80	+ 0.12	-20.01	. .	. .	. .	. .	12 22 47.91	- 0.38	. .	. .
30	Mercury I, C.	9	51 53.51	+ 0.10	-20.03	46 50 8.88	44.336	+ 57.5	60.2	12 51 33.58	+ 0.22	7 59 31.1	. .
31	α Virginis	11	20 4.48	+ 0.08	-20.06	49 28 6.90	43.582	+ 1 3.0	60.5	13 19 . .	. .	. .	. .
32	α Ursæ Minoris S.P.	9	22 9.97	- 8.12	[-20.07]	307 38 5.45	44.478	- 1 9.5	[62.1]	1 21 . .	. .	. .	. .
33	η Bootis	11	50 5.55	+ 0.19	-20.04	19 56 9.40	44.658	+ 19.5	60.5	13 49 . .	. .	. .	. .
34	Moon I	11	59 42.28	+ 0.05	-20.08	57 10 . .	. .	. .	. .	13 59 22.25	+ 72.05	. .	. .
35	α Bootis	11	11 16.68	+ 0.20	-20.11	19 8 6.28	44.032	+ 18.7	61.5	14 10 . .	. .	. .	. .
36	α Aquarii	11	0 50.86	+ 0.03	-20.33	39 40 9.32	43.908	+ 45.7	61.4	22 0 . .	. .	. .	. .
37	Hementaria	11	17 23.08	- 0.05	-20.34	62 50 7.25	40.122	+ 1 47.2	60.9	22 17 2.69	. .	24 2 12.6	. .
38	B. D. - 19°, 6275.	11	21 3.28	- 0.03	-20.34	58 2 5.52	43.490	+ 1 27.8	60.9	22 20 42.91	- 4.41	19 5 14.1	-19.3
39	B. D. - 19°, 6281.	10	23 36.22	- 0.03	-20.34	58 2 5.52	43.395	+ 1 28.3	60.9	22 23 15.85	- 4.41	19 14 53.3	-19.5
40	Radcliffe 6058	11	31 24.95	- 0.03	-20.34	57 38 6.20	45.212	+ 1 26.8	60.9	22 31 4.58	- 4.40	18 48 13.7	-20.2
41	B. D. - 18°, 6178.	11	38 38.08	- 0.03	-20.35	56 58 5.65	45.748	+ 1 24.7	60.9	22 38 17.70	- 4.38	18 8 21.3	-20.9
42	λ Aquarii	10	47 35.89	+ 0.01	-20.38	46 58 7.80	44.586	+ 59.1	60.3	22 47 . .	. .	. .	. .
43	α Pegasi	11	59 58.95	+ 0.08	-20.37	24 12 7.75	44.076	+ 24.8	60.6	22 59 . .	. .	. .	. .
44	θ Piscium	11	23 5.81	+ 0.05	-20.36	33 2 7.50	44.325	+ 35.9	60.7	23 22 . .	. .	. .	. .
45	B. D. - 4°, 5923	11	34 30.08	+ 0.02	-20.38	42 54 8.35	42.268	+ 51.3	60.9	23 34 9.72	- 4.07	4 2 44.0	-25.2
46	B. D. - 3°, 5698	11	40 27.23	+ 0.02	-20.38	42 2 8.72	44.180	+ 49.8	60.9	23 40 6.87	- 4.05	3 11 19.5	-25.4

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
9 13 22	29.808	78.6	77.9	1, 8, 9, 10, 14, 27.	Bisections at VI, VII.	8	+ 4.8	. . .	. .	+ 4.8
21 2	29.756	70.9	70.1	2.	Bisections at B ₃ , B ₁ .	26	+ 4.9	-15 55.1	. .	-15 50.2
21 48	29.750	68.8	67.9	8, 10, 13, 17, 18, 37, 39.	Z. D. thread A used.	27	+ 5.0	+15 55.2	. .	+16 0.2
22 47	29.740	67.3	66.1	9, 38.	Z. D. thread C used.	28	+ 3.5	. . .	- 0.1	+ 3.4
23 54	29.726	66.2	65.2	12, 15.	Bisections at II, VI, VII.	30	+ 6.4	. . .	- 0.5	+ 5.9
9 22	29.776	77.3	77.1	13, 16, 17, 18, 19, 20, 26, 38, 39.	Bisections at I, II.	37	+ 4.8	. . .	. .	+ 4.8
10 3	29.776	78.9	78.4	32.	Bisections at C ₃ , C ₂ , C ₁ .					
10 14	29.780	79.8	79.2	44.	Bisections at I, VII.					
11 18	29.768	82.0	82.3							
12 23	29.750	84.9	85.0							
12 51	29.750	85.7	85.2							
13 22	29.748	86.7	86.1							
13 49	29.740	87.3	87.0							
14 10	29.738	87.4	87.0							
22 0	29.756	77.0	75.0							
23 13	29.760	75.1	73.9							

8, 37. Bright wire illumination.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRA- TION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ω Piscium	11	54 22.51	+ 0.05	-20.35	32 34 9.22	41.788	+	35.2	61.4	23 54 . .		. .
2	Anonymous	5	1 27.19	+ 0.03	-20.39	39 28 . .	. . .	. .	. .	. .	0 1 6.83		. .
	September 10, P.												
3	α Hydrae	11	22 50.58	- 0.10	-20.36	47 2 5.48	47.476	+	58.9	61.5	9 22 . .		. .
4	ε Leonis	11	40 19.35	0.00	-20.41	14 36 6.98	44.840	+	14.3	60.8	9 39 . .		. .
5	α Leonis	11	3 12.26	- 0.03	-20.41	26 22 7.82	46.214	+	27.1	62.3	10 2 . .		. .
	September 11, P.												
6	Sun I, N.	11	20 23.16	- 0.06	-20.42	34 24 10.42	43.088	+	37.1	62.1	11 20 2.68	+ 63.98	+ 4 27 14.4
7	Sun II, S.	11	22 31.13	- 0.06	-20.42	34 56 7.58	42.512	+	37.8	62.1	11 22 10.65	- 63.99	+ 3 55 25.8
8	Venus I, C.	6	27 37.82	- 0.08	-20.44	40 38 6.68	47.342	+	46.4	62.1	12 27 17.30	+ 0.33	- 1 48 13.5
9	Venus II.	5	27 38.46	- 0.08	-20.44			. .	. .	. .	12 27 17.94	- 0.31	
10	α Canum Venat.	11	51 31.66	+ 0.05	-20.40	359 58 5.45	47.009	0.0	62.0	62.0	12 51 . .		. .
11	Mercury I, C.	11	55 36.85	- 0.10	-20.45	47 22 5.85	44.451	+	58.5	62.1	12 55 16.30	+ 0.23	- 8 31 29.3
12	α Ursæ Minoris s. p.	11	22 6.70	- 3.75	[-20.47]	307 38 7.55	44.374	- 1 9.4	[62.1]	62.1	1 21 . .		. .
13	η Bootis	11	50 6.18	- 0.01	-20.47	19 56 7.58	44.878	+	19.6	62.9	13 49 . .		. .
14	α Bootis	11	11 17.27	- 0.01	-20.50	19 8 4.02	44.222	+	18.7	62.8	14 10 . .		. .
15	ε Bootis	11	40 48.89	+ 0.02	-20.49	11 20 6.40	46.395	+	10.8	62.6	14 40 . .		. .
16	Moon I	11	0 37.97	- 0.17	-20.48	62 18 . .		. .	. .	. .	15 0 17.32	+ 73.77	. .
17	B. D.—19°, 6275.	11	21 3.81	- 0.15	-20.83	57 56 2.92	42.145	+ 1 28.6	61.9	61.9	22 20 42.83	- 4.41	- 19 5 12.4
18	η Aquarii	11	30 25.72	- 0.08	-20.86	39 30 4.20	43.191	+	45.8	62.2	22 30 . .		. .
19	λ Aquarii	11	47 36.48	- 0.10	-20.85	46 58 5.35	44.751	+	59.5	61.5	22 47 . .		. .
20	α Piscis Australis	11	52 20.08	- 0.21	-20.84	69 0 3.22	41.924	+ 2 23.7	61.9	61.9	22 51 . .		. .
	September 17, S.												
21	α Leonis	11	3 15.51	+ 0.08	-23.66	26 22 8.08	46.208	+	27.3	61.9	10 2 . .		. .
22	γ Leonis	11	14 39.96	+ 0.11	-23.72	18 28 4.22	48.409	+	18.4	61.2	10 14 . .		. .
	September 18, S.												
23	Sun I, N.	11	45 33.70	+ 0.05	-23.69	37 4 10.90	48.555	+	41.4	62.2	11 45 10.06	+ 64.00	+ 1 45 24.9
24	Sun II, S.	11	47 41.71	+ 0.05	-23.69	37 36 9.78	48.280	+	42.2	62.2	11 47 18.07	- 64.01	+ 1 13 28.7
25	Venus I, C.	6	59 15.37	+ 0.03	-23.70	44 14 5.58	43.566	+	53.1	62.2	12 58 51.70	+ 0.31	- 5 23 6.6
26	Venus II.	5	59 15.96	+ 0.03	-23.70			. .	. .	. .	12 58 52.29	- 0.28	
27	α Ursæ Minoris s. p.	7	22 15.37	- 5.20	[-23.71]	307 38 5.20	44.788	- 1 10.3	[64.0]	64.0	1 21 . .		. .
28	η Bootis	11	11 20.30	+ 0.11	-23.72	19 8 4.05	44.258	+	18.9	62.9	14 10 . .		. .
29	ε Bootis	11	40 51.86	+ 0.14	-23.68	11 20 11.00	46.199	+	11.0	62.9	14 40 . .		. .
30	α Leonis	11	3 16.07	+ 0.10	-24.22	26 22 7.15	46.320	+	26.8	62.7	10 2 . .		. .
	September 19, S.												
31	Sun I, S.	11	49 9.45	+ 0.09	-24.28	38 0 12.55	46.150	+	41.8	64.4	11 48 45.26	+ 64.00	+ 0 50 11.2
32	Sun II, N.	11	51 17.45	+ 0.09	-24.28	37 28 7.85	46.632	+	41.0	64.4	11 50 53.26	- 64.00	+ 1 22 5.7
33	α Canum Venat.	11	51 35.40	+ 0.13	-24.25	359 58 6.62	47.160	0.0	64.3	64.3	12 51 . .		. .
34	Venus I, C.	6	3 47.90	+ 0.08	-24.32	44 44 7.85	44.815	+	52.6	64.4	13 3 23.66	+ 0.34	- 5 53 30.1
35	Venus II.	5	3 48.54	+ 0.08	-24.32			. .	. .	. .	13 3 24.30	- 0.30	
36	Mercury C, C.	11	19 28.47	+ 0.06	-24.32	50 48 11.85	44.800	+ 1 5.0	64.4	64.4	13 19 4.21	+ 0.10	- 11 57 46.2
37	α Virginis	5	20 8.81	+ 0.07	-24.42	49 28 . .		. .	. .	. .	13 19 . .		. .
38	α Ursæ Minoris s. p.	7	22 10.63	+ 0.52	[-24.34]	307 38 6.68	44.742	- 1 8.4	[64.4]	64.4	1 21 . .		. .
39	η Bootis	11	50 9.82	+ 0.11	-24.29	19 56 8.55	44.995	+	19.3	66.3	13 49 . .		. .
40	α Bootis	4	11 20.94	+ 0.11	-24.37	19 8 3.40	44.441	+	18.4	64.6	14 10 . .		. .
41	ρ Bootis	11	27 46.60	+ 0.13	-24.32	8 2 6.85	43.846	+	7.5	64.6	14 27 . .		. .
42	ε Bootis	11	40 52.60	+ 0.12	-24.41	11 20 9.52	46.374	+	10.7	64.2	14 40 . .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
10 23 54	29.752	75.2	74.0	6, 23, 31.	Bisections at I, II.	6	+	4.9	-15 54.2	-15 49.3
10 9 22	29.850	79.5	78.9	7, 24, 32.	Bisections at VI, VII.	7	+	5.0	+15 54.3	+15 59.3
11 10 2	29.854	82.5	82.3			8	+	3.6	. . .	+ 3.5
11 11 22	29.858	85.8	85.6	12.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	11	+	6.6	- 0.1	+ 6.1
11 12 27	29.856	87.5	86.8	27.	Bisections at C ₂ , C ₁ .	23	+	5.3	- 0.5	-15 52.7
11 12 55	29.850	88.0	87.9	38.	Bisections at D ₃ , D ₂ , D ₁ .	24	+	5.4	. . .	+16 3.5
11 13 22	29.848	89.0	88.3	40.	Bisections at I, II, VI.	25	+	3.9	- 0.1	+ 3.8
11 14 10	29.842	89.5	88.9			31	+	5.4	+15 57.2	+16 2.6
11 14 49	29.844	89.0	88.4			32	+	5.3	-15 57.2	-15 51.9
11 22 21	29.894	74.5	72.1			34	+	3.9	. . .	+ 3.8
11 22 52	29.900	74.0	73.0			36	+	7.9	- 0.8	+ 7.1
17 10 2	29.784	77.2	76.1							
18 11 47	29.773	80.0	79.0							
18 14 10	29.768	82.7	80.9							
18 14 40	29.764	82.6	81.1							
19 10 2	29.642	84.8	83.0							
19 11 51	29.620	88.8	87.9							
19 12 51	29.572	91.4	90.0							
19 13 49	29.533	93.2	91.5							
19 14 10	29.527	92.4	91.0							
19 14 27	29.520	93.1	91.5							
19 14 40	29.512	92.5	91.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.		
				Instru- ment.	Clock.										
September 23, S.															
1	α Hydræ	II	m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//		
2	ϵ Leonis	II	22 55.76	+ 0.25	-25.64	47 2 6.72	47.040	+ 1 2.3	57.9	9 22 . .	. .		. .		
3	α Leonis	II	40 24.30	+ 0.42	-25.50	14 36 6.52	44.718	+ 15.1	56.9	9 39 . .	. .		. .		
4	γ^1 Leonis	II	3 17.21	+ 0.36	-25.53	26 22 10.08	45.875	+ 28.7	58.3	10 2 . .	. .		. .		
		II	14 41.58	+ 0.40	-25.52	18 28 7.65	48.030	+ 19.3	57.3	10 14 . .	. .		. .		
September 24, S.															
5	α Canum Venat.	II	51 36.50	+ 0.52	-25.75	359 58 9.90	46.668	0.0	58.2	12 51 . .	. .		. .		
6	α Virginis	II	20 9.98	+ 0.24	-25.77	49 28 9.02	43.035	+ 1 6.3	57.2	13 19 . .	. .		. .		
7	α Ursæ Minoris S. P.	9	22 28.28	-13.67	[-25.76]	307 38 7.92	44.710	- 1 13.2	[58.6]	1 21 . .	. .		. .		
8	Mercury C. C.	II	26 42.71	+ 0.23	-25.72	51 52 9.00	46.181	+ 1 12.2	58.0	13 26 17.22	+ 0.13	- 13 2 23.4	. .		
9	η Bootis	II	50 10.94	+ 0.39	-25.72	19 56 10.40	44.556	+ 20.6	58.9	13 49 . .	. .		. .		
10	α Bootis	II	11 21.93	+ 0.39	-25.68	19 8 6.70	43.931	+ 19.7	59.3	14 10 . .	. .		. .		
11	ϵ Leonis	II	40 24.87	+ 0.34	-25.97	14 36 6.95	44.765	+ 15.0	58.1	9 39 . .	. .		. .		
12	α Leonis	II	3 17.74	+ 0.27	-25.95	26 22 8.55	46.040	+ 28.4	59.6	10 2 . .	. .		. .		
13	γ^1 Leonis	II	14 42.11	+ 0.32	-25.95	18 28 7.68	48.166	+ 19.2	59.8	10 14 . .	. .		. .		
September 25, S.															
14	Sun I	II	10 44.82	+ 0.18	-26.09	40 4 . .	. .	. .	. .	12 10 18.91	+64.09		. .		
15	Sun II	II	12 53.01	+ 0.18	-26.10		. .	. .	. .	12 12 27.09	-64.09		. .		
16	α Canum Venat.	II	51 36.93	+ 0.46	-26.12	359 58 9.35	46.752	0.0	59.1	12 51 . .	. .		. .		
17	α Virginis	II	20 10.55	+ 0.13	-26.23	49 28 . .	. .	. .	. .	13 19 . .	. .		. .		
18	α Ursæ Minoris S. P.	4	22 30.64	-15.10	[-26.20]	307 38 . .	. .	. .	. .	1 21 . .	. .		. .		
19	Mercury C. C.	II	27 10.12	+ 0.12	-26.17	51 56 11.58	47.720	+ 1 11.5	59.1	13 26 44.07	+ 0.13	- 13 6 53.7	. .		
20	Venus I. C.	6	31 11.87	+ 0.14	-26.18	47 42 9.40	48.209	+ 1 1.6	59.1	13 30 45.83	+ 0.36	- 8 52 51.0	. .		
21	Venus II	5	31 12.54	+ 0.14	-26.18		. .	. .	. .	13 30 46.50	- 0.31		. .		
22	α Bootis	9	14 22.49	+ 0.31	-26.17	19 8 6.98	43.885	+ 19.4	59.0	14 10 . .	. .		. .		
23	α Leonis	II	3 18.38	+ 0.18	-26.48	26 22 7.28	46.139	+ 28.3	60.0	10 2 . .	. .		. .		
September 26, S.															
24	Sun I, N.	II	14 21.47	+ 0.10	-26.52	40 12 7.88	44.995	+ 47.8	59.6	12 13 55.05	+64.12	- 1 21 32.8	. .		
25	Sun II, S.	II	16 29.71	+ 0.10	-26.52	40 44 8.58	44.692	+ 48.7	59.6	12 16 3.29	-64.12	- 1 53 30.3	. .		
26	α Canum Venat.	II	51 37.42	+ 0.36	-26.51	359 57 5.58	47.040	0.0	59.1	12 51 . .	. .		. .		
27	α Ursæ Minoris S. P.	5	22 29.67	-13.27	[-26.55]	307 38 . .	. .	. .	. .	1 21 . .	. .		. .		
28	η Bootis	4	50 11.96	+ 0.22	-26.58	19 56 . .	. .	. .	. .	13 49 . .	. .		. .		
September 29, S.															
29	γ^1 Leonis	5	14 44.43	+ 0.17	-28.02	18 28 . .	. .	. .	. .	10 14 . .	. .		. .		
30	δ Leonis	II	9 4.49	+ 0.17	-27.99	17 44 5.85	49.870	+ 18.0	59.9	11 8 . .	. .		. .		
September 30, S.															
31	Sun I, N.	II	28 49.92	+ 0.06	-28.04	41 46 8.18	43.048	+ 49.6	60.6	12 28 21.94	+64.36	- 2 54 56.5	. .		
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.															
Time.	Barom.	Att. Ther.	Ex. Ther.						No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d h m	in.	°	°							/ //	/ //	//	/ //		
9 22	30.128	54.0	55.3	5, 6, 16, 22, 25.	Bisections at VI, VII.				8	+	8.9	-	1.1	+	7.8
10 14	30.134	59.4	58.4	7.	Bisections at D ₃ , D ₂ , D ₁ .				19	+	9.0	-	1.2	+	7.8
24 12 7	30.122	63.6	63.2	24, 31.	Bisections at I, II.				20	+	4.2	-	0.1	+	4.1
12 51	30.101	65.3	64.6						24	+	5.7	-15	58.7	-15	53.0
14 10	30.082	68.7	66.9						25	+	5.7	+15	58.8	+16	4.5
9 39	30.110	59.9	59.2						31	+	5.9	-16	0.4	-15	54.5
10 14	30.123	64.2	62.3												
25 12 12	30.107	70.0	69.8												
12 51	30.094	71.7	71.1												
14 10	30.075	73.9	73.1												
10 2	30.136	64.5	64.0												
26 12 16	30.130	69.5	68.5												
12 51	30.115	71.1	70.5												
14 18	30.090	73.7	72.9												
29 10 14	29.585	63.8	61.2												
11 8	29.556	66.8	63.4												

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ-INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s.	s	° / "	"
1	Sun II, S.	11	30 58.64	+ 0.06	-28.04	42 18 4.55	43.140	+ 50.5	60.6	12 30 30.66	-64.36	3 26 57.3	. .
2	α Canum Venat.	9	51 39.04	+ 0.27	-28.03	359 58 3.35	47.182	0.0	60.0	12 51 . . .	. . .	. . .	. .
3	α Virginis	11	20 12.45	+ 0.02	-28.02	49 28 4.70	43.635	+ 1 4.8	61.5	13 19 . . .	. . .	. . .	. .
4	α Ursæ Minoris s. p.	6	22 30.02	-10.53	[-28.03]	307 38 4.85	45.037	- 1 11.5	[61.2]	1 21 . . .	. . .	. . .	. .
5	η Bootis	4	50 13.48	+ 0.16	-28.05	19 56 7.82	44.768	+ 20.1	60.6	13 49 . . .	. . .	. . .	. .
6	Venus I, C.	6	54 20.87	+ 0.02	-28.06	50 6 9.45	49.141	+ 1 6.3	60.6	13 53 52.83	+ 0.43	11 17 12.1	. .
7	Venus II	5	54 21.68	+ 0.02	-28.06		. . .	. . .	. . .	13 53 53.64	- 0.38	. . .	. .
8	ρ Bootis	8	27 50.10	+ 0.22	-28.02	8 2 6.45	43.742	+ 7.9	60.6	14 27 . . .	. . .	. . .	. .
9	ε Bootis	11	40 56.03	+ 0.20	-28.04	11 20 9.38	46.269	+ 11.2	60.9	14 40 . . .	. . .	. . .	. .
10	α² Libræ	11	45 37.61	0.00	-28.23	54 26 7.20	47.427	+ 1 17.3	60.7	14 45 . . .	. . .	. . .	. .
October 5, S.													
11	79 Draconis	11	52 5.14	+ 1.50	[-30.33]	325 40 . . .	. . .	. . .	. . .	21 51 . . .	. . .	. . .	. .
12	ζ Pegasi	11	36 50.43	+ 0.23	-30.33	28 34 3.92	41.996	+ 31.6	59.2	22 36 . . .	. . .	. . .	. .
13	α Pegasi	11	0 8.75	+ 0.26	-30.35	24 12 3.98	43.969	+ 26.1	59.2	22 59 . . .	. . .	. . .	. .
14	B. D.—5°, 6006	11	26 54.09	+ 0.12	-30.32	43 50 7.80	42.682	+ 55.7	59.1	23 26 23.89	- 4.17	4 58 57.6	-25.1
15	B. D.—4°, 5923	11	34 39.95	+ 0.13	-30.33	42 54 4.70	42.230	+ 53.9	59.1	23 34 9.75	- 4.17	4 2 44.0	-25.6
16	B. D.—3°, 5698	11	40 37.15	+ 0.14	-30.33	42 2 5.78	44.080	+ 52.3	59.1	23 40 6.96	- 4.16	3 11 19.0	-26.0
17	B. D.—2°, 6051	11	48 11.53	+ 0.14	-30.34	41 8 3.38	46.391	+ 50.7	59.1	23 47 41.33	- 4.17	2 17 59.3	-26.4
18	γ Pegasi	11	8 26.96	+ 0.26	-30.34	24 14 5.05	45.040	+ 26.2	59.1	0 7 . . .	. . .	. . .	. .
19	12 Ceti	11	25 18.32	+ 0.13	-30.33	43 22 5.88	44.365	+ 54.9	58.9	0 24 . . .	. . .	. . .	. .
20	β Ceti	11	38 56.85	+ 0.03	-30.32	57 24 4.65	41.128	+ 1 30.7	59.2	0 38 . . .	. . .	. . .	. .
October 5, K.													
21	γ¹ Leonis	11	14 46.93	+ 0.15	-30.37	18 28 6.55	48.231	+ 19.4	58.3	10 14 . . .	. . .	. . .	. .
22	α Ursæ Majoris	11	57 50.63	+ 0.49	[-30.22]	336 32 5.75	48.994	- 24.8	[59.8]	10 57 . . .	. . .	. . .	. .
23	δ Leonis	11	9 6.90	+ 0.16	-30.29	17 44 7.10	49.749	+ 18.4	58.0	11 8 . . .	. . .	. . .	. .
24	β Leonis	11	44 17.41	+ 0.12	-30.34	23 42 9.62	44.292	+ 25.2	58.8	11 43 . . .	. . .	. . .	. .
October 6, K.													
25	Sun I, S.	11	50 42.29	- 0.02	-30.40	44 36 8.38	46.095	+ 56.1	59.3	12 50 11.87	+64.65	5 46 2.9	. .
26	Sun II, N.	11	52 51.60	- 0.02	-30.40	44 4 5.80	45.870	+ 55.0	59.3	12 52 21.18	-64.66	5 13 56.7	. .
27	α Ursæ Minoris s. p.	6	22 38.73	-15.63	[-30.41]	307 38 9.20	44.927	- 1 13.2	[59.0]	1 21 . . .	. . .	. . .	. .
28	α Bootis	11	11 26.91	+ 0.15	-30.47	19 8 6.80	44.028	+ 19.7	59.3	14 10 . . .	. . .	. . .	. .
29	Venus I, C.	5	22 37.21	- 0.08	-30.45	52 52 7.05	44.638	+ 1 14.6	60.1	14 22 6.68	+ 0.47	14 1 52.1	. .
30	Venus II	5	22 38.07	- 0.08	-30.45		. . .	. . .	. . .	14 22 7.54	- 0.39	. . .	. .
31	ε Bootis	11	40 58.43	+ 0.21	-30.49	11 20 4.35	46.571	+ 11.4	60.6	14 40 . . .	. . .	. . .	. .
32	α Coronæ Borealis	11	30 48.79	+ 0.20	-30.45	11 46 9.65	48.815	+ 11.8	60.0	15 30 . . .	. . .	. . .	. .
33	α Serpentis	11	39 41.02	+ 0.06	-30.49	32 6 7.60	43.874	+ 35.3	61.6	15 39 . . .	. . .	. . .	. .
October 6, S.													
34	γ¹ Leonis	11	14 47.43	+ 0.26	-30.95	18 28 3.85	48.359	+ 19.2	57.7	10 14 . . .	. . .	. . .	. .
October 7, S.													
35	Sun I	11	54 22.59	+ 0.09	-31.02	44 44 . . .	. . .	. . .	. . .	12 53 51.66	+64.63	. . .	. .
36	Sun II	11	56 31.85	+ 0.09	-31.02		. . .	. . .	. . .	12 56 0.92	-64.63	. . .	. .
37	α Ursæ Minoris s. p.	6	22 40.32	-16.32	[-31.05]	307 38 . . .	. . .	. . .	. . .	1 21 . . .	. . .	. . .	. .
38	α Bootis	11	11 27.37	+ 0.25	-31.04	19 8 . . .	. . .	. . .	. . .	14 10 . . .	. . .	. . .	. .
39	Venus I, C.	6	27 23.57	+ 0.03	-31.06	53 18 4.35	45.690	+ 1 16.7	59.0	14 26 52.54	+ 0.37	14 28 12.8	. .
40	Venus II	5	27 24.26	+ 0.03	-31.06		. . .	. . .	. . .	14 26 53.23	- 0.32	. . .	. .
41	α Coronæ Borealis	11	30 49.35	+ 0.31	-31.13	11 46 7.52	48.892	+ 12.0	59.4	15 30 . . .	. . .	. . .	. .
42	α Serpentis	11	39 41.48	+ 0.17	-31.07	32 6 6.70	43.808	+ 36.0	60.0	15 39 . . .	. . .	. . .	. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
30	12	30	29.554	69.0	67.1	1, 2, 5, 26.	Bisections at VI, VII.	1	+	5.9	+16 0.4	+16 6.3
	12	51	29.540	69.0	67.1			6	+	4.4	. . .	+ 4.3
	14	45	29.500	69.9	68.1	4.	Bisections at D ₃ , D ₂ , D ₁ .	25	+	6.2	+16 3.0	+16 9.2
5	22	36	29.914	53.4	52.1	10.	Bisections at II, VI, VII.	26	+	6.1	-16 3.1	-15 57.0
	23	48	29.910	52.8	51.3	18.	Bisection at VII.	29	+	4.6	. . .	+ 4.5
	0	38	29.908	51.9	50.1	25.	Bisections at I, II.	39	+	4.7	. . .	+ 4.5
	10	20	29.916	54.2	53.6	27.	Bisections at III, IV, V.					
	11	11	29.920	59.0	56.9							
	11	39	29.918	60.8	58.2							
6	12	52	29.912	63.0	61.3							
	14	8	29.930	65.1	64.0							
	15	13	29.864	67.2	65.2							
	15	41	29.850	67.3	65.6							
	10	14	29.816	56.4	55.5							
7	14	11	29.823	58.6	57.0							
	15	47	29.830	57.9	56.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
	October 7, P.		m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	δ Leonis	9	9 8.06	+ 0.27	-31.52	17 44 7.38	49.845	+ 18.8	58.8	11 8 . .	. .		. .
	October 8, P.												
2	Sun I, S.	11	58 3.20	+ 0.03	-31.57	45 22 4.32	45.665	+ 59.1	58.4	12 57 31.66	+64.72	- 6 31 54.5	. .
3	Sun II, N.	11	0 12.65	+ 0.03	-31.57	44 50 8.98	45.242	+ 58.0	58.4	12 59 41.11	-64.73	- 5 59 51.8	. .
4	α Ursæ Minoris s. p.	2	22 47.48	-22.68	[-31.54]	307 38 . .	. .	. .	. .	1 21 . .	. .		. .
5	α Bootis	9	11 27.92	+ 0.26	-31.60	19 8 6.20	43.898	+ 20.2	57.8	14 10 . .	. .		. .
6	α Coronæ Borealis .	11	30 49.83	+ 0.33	-31.64	11 48 5.58	42.668	+ 12.2	58.1	15 30 . .	. .		. .
7	α Serpentis	11	39 42.07	+ 0.14	-31.64	32 6 7.05	43.719	+ 36.4	58.9	15 39 . .	. .		. .
8	ω Piscium	11	54 34.06	+ 0.17	-31.89	32 34 4.70	41.595	+ 37.8	57.7	23 54 . .	. .		. .
9	12 Ceti	11	25 19.95	+ 0.09	-31.91	43 22 4.92	44.362	+ 55.9	58.7	0 24 . .	. .		. .
10	α Ursæ Minoris . .	8	22 4.50	+20.86	[-31.94]	310 8 . .	. .	. .	. .	1 21 . .	. .		. .
11	ξ Ceti	11	8 5.21	+ 0.18	-31.95	30 28 5.75	47.049	+ 35.1	56.9	2 7 . .	. .		. .
12	Nemusa	11	13 13.75	+ 0.16	-31.96	34 18 4.55	43.649	+ 40.7	57.8	2 12 41.95	. .	+ 4 33 0.7	. .
	October 8, K.												
13	γ Leonis	11	14 48.35	+ 0.48	-32.05	18 28 3.80	48.268	+ 19.9	56.3	10 14 . .	. .		. .
14	β Leonis	11	44 18.79	+ 0.43	-31.99	23 42 7.35	44.368	+ 25.9	58.2	11 43 . .	. .		. .
	October 9, K.												
15	Sun I, N.	11	1 43.86	+ 0.27	-32.05	45 12 6.28	47.715	+ 59.0	58.6	13 1 12.08	+64.82	- 6 22 35.6	. .
16	Sun II, S.	11	3 53.50	+ 0.27	-32.05	45 44 7.60	47.898	+ 1 0.1	58.6	13 3 21.72	-64.82	- 6 54 43.2	. .
17	α Ursæ Minoris s. p.	5	22 48.46	-22.81	[-32.07]	307 38 6.10	45.160	- 1 15.4	[59.2]	1 21 . .	. .		. .
18	α Bootis	11	11 28.23	+ 0.47	-32.12	19 8 8.45	43.955	+ 20.3	59.6	14 10 . .	. .		. .
19	Venus I, C.	5	36 59.34	+ 0.21	-32.07	54 10 7.50	44.314	+ 1 20.7	58.6	14 36 27.48	+ 0.40	15 19 54.0	. .
20	Venus II	6	37 0.08	+ 0.21	-32.07		. .	. .	. .	14 36 28.22	- 0.34		. .
21	α Coronæ Borealis .	11	30 50.04	+ 0.54	-32.07	11 48 . .	. .	. .	. .	15 30 . .	. .		. .
22	Moon I	11	36 31.46	+ 0.13	-32.08	64 22 . .	. .	. .	. .	15 35 59.51	+75.81		. .
23	δ Scorpii	7	54 45.16	+ 0.16	-32.08	61 8 4.80	49.066	+ 1 45.6	59.9	15 54 . .	. .		. .
24	δ Ophiuchi	11	9 27.57	+ 0.29	-32.05	42 16 5.55	45.404	+ 53.0	59.1	16 8 . .	. .		. .
25	θ Piscium	11	23 17.57	+ 0.39	-32.41	33 2 . .	. .	. .	. .	23 22 . .	. .		. .
26	ι Piscium	11	35 12.15	+ 0.38	-32.40	33 46 5.62	46.239	+ 39.9	58.9	23 34 . .	. .		. .
27	ω Piscium	11	54 34.36	+ 0.39	-32.41	32 34 5.95	41.528	+ 38.1	59.4	23 54 . .	. .		. .
28	α Ursæ Minoris . .	4	22 9.20	+16.91	[-32.38]	310 8 3.60	41.668	- 1 10.4	[59.1]	1 21 . .	. .		. .
29	η Piscium	11	26 31.27	+ 0.44	-32.39	24 2 6.00	44.140	+ 26.6	58.2	1 25 . .	. .		. .
30	ο Piscium	11	40 30.30	+ 0.41	-32.38	30 12 4.75	45.428	+ 34.8	57.1	1 39 . .	. .		. .
31	α Arietis	10	1 54.88	+ 0.49	-32.39	15 52 6.20	45.720	+ 17.0	55.8	2 1 . .	. .		. .
32	ξ Ceti	11	8 5.46	+ 0.40	-32.40	30 28 5.85	46.955	+ 35.2	56.8	2 7 . .	. .		. .
33	Nemusa	11	12 27.18	+ 0.38	-32.44	34 26 4.38	47.005	+ 41.0	57.0	2 11 55.12	. .	+ 4 23 54.2	. .
	October 14, S.												
34	δ Leonis	11	9 11.09	+ 0.32	-34.47	17 46 8.72	43.489	+ 18.2	57.6	11 8 . .	. .		. .
35	β Leonis	11	44 21.58	+ 0.28	-34.53	23 42 7.70	44.484	+ 24.8	58.5	11 43 . .	. .		. .
36	Mercury C, C. . .	11	37 54.09	+ 0.18	-34.53	42 24 7.42	47.136	+ 51.4	58.2	12 37 19.74	- 0.17	- 3 34 19.2	. .
37	α Canum Venat. . .	11	51 45.42	+ 0.46	-34.51	359 58 6.70	47.153	+ 0.0	57.5	12 51 . .	. .		. .
38	α Ursæ Minoris s. p.	6	22 45.19	-16.01	[-34.54]	307 38 7.62	45.013	- 1 12.4	[56.7]	1 21 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
7 11 8	30.062	50.0	48.9	1, 2.	Bisections at I, II.	2	+ 6.3	+16 1.3	. .	+16 7.6
8 13 0	30.062	52.0	51.1	3, 5, 16, 27, 29, 32, 33.	Bisections at VI, VII.	3	+ 6.2	-16 1.3	. .	-15 55.1
14 10	30.040	54.0	52.7	15.	Bisection at II.	15	+ 6.3	-16 3.8	. .	-15 57.5
15 30	30.038	55.5	54.0	17.	Bisections at C ₅ , C ₁ .	16	+ 6.3	+16 3.8	. .	+16 10.1
23 29	30.118	48.0	46.2	28.	Bisections at C ₁ , C ₅ .	19	+ 4.8		0.2	+ 4.6
0 24	30.122	47.0	44.8	31, 37.	Bisections at II, VI, VII.	36	+ 7.9		1.1	+ 9.0
2 7	30.120	44.0	42.0	38.	Bisections at D ₃ , D ₂ , D ₁ .					
10 16	30.232	48.5	45.2							
11 46	30.248	52.8	49.3							
9 13 3	30.226	54.1	52.0							
13 27	30.224	54.3	52.6							
14 13	30.196	55.7	53.4							
15 28	30.188	56.4	53.5							
16 11	30.180	55.0	53.8							
23 20	30.200	45.5	42.5							
23 56	30.198	45.0	42.9							
1 18	30.182	43.5	42.5							
2 14	30.170	43.0	41.1							
14 11 8	29.584	54.5	57.8							
11 43	29.593	60.2	59.3	12. Bright wire illumination for R. A.						
12 37	29.586	61.3	61.1	33. Bright wire illumination.						

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	October 15, S.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, N.	11	23 59.78	+ 0.15	-34.56	47 28 2.02	43.948	+ 1 1.2	58.2	13 23 25.37	+65.32	8 37 21.5	. .
2	Sun II, S.	11	26 10.41	+ 0.15	-34.56	48 0 14.75	43.602	+ 1 2.3	58.2	13 25 36.00	-65.31	9 9 30.6	. .
3	α Bootis	11	11 30.87	+ 0.31	-34.61	19 8 5.12	44.168	+ 19.4	58.3	14 10 . .	. .	. .	. .
4	Venus I, C.	6	6 14.23	+ 0.10	-34.62	56 36 6.70	42.842	+ 1 24.4	58.2	15 5 39.71	+ 0.44	17 45 29.0	. .
5	Venus II.	5	6 15.02	+ 0.10	-34.62				. .	15 5 40.50	- 0.35		. .
6	α Coronæ Borealis	11	30 52.66	+ 0.36	-34.57	11 48 5.55	42.769	+ 11.7	58.2	15 30 . .	. .	. .	. .
7	α Serpentis	9	39 44.98	+ 0.24	-34.69	32 6 9.25	43.712	+ 34.9	58.9	15 39 . .	. .	. .	. .
8	ζ Cygni	11	9 7.95	+ 0.26	-34.78	9 4 5.00	40.870	+ 9.0	58.5	21 8 . .	. .	. .	. .
9	β Aquarii	11	26 43.58	+ 0.05	-34.81	44 52 4.20	44.341	+ 56.3	58.7	21 26 . .	. .	. .	. .
10	Moon I, S.	11	34 55.09	- 0.01	-34.76	54 20 6.02	42.710	+ 1 18.7	58.0	21 34 20.32	+64.44	15 29 20.5	. .
11	μ Capricorni	11	48 16.21	0.00	-34.61	52 52 3.70	45.765	+ 1 14.8	57.7	21 47 . .	. .	. .	. .
12	α Aquarii	11	1 5.05	+ 0.08	-34.81	39 40 7.32	43.745	+ 47.0	58.4	22 0 . .	. .	. .	. .
13	ω Piscium	11	54 36.84	+ 0.12	-34.61	32 34 3.40	41.766	+ 36.2	58.4	23 54 . .	. .	. .	. .
14	β Andromedæ	11	4 33.34	+ 0.30	-34.72	3 48 2.68	40.571	+ 3.8	57.3	1 3 . .	. .	. .	. .
15	α Ursæ Minoris	5	22 15.42	+ 13.96	[-34.76]	310 8 4.55	41.290	- 1 7.3	[58.6]	1 21 . .	. .	. .	. .
16	α Piscium	11	40 33.02	+ 0.13	-34.76	30 12 4.35	45.561	+ 33.3	58.0	1 40 . .	. .	. .	. .
17	β Arietis	11	49 32.62	+ 0.20	-34.78	18 32 3.60	46.586	+ 19.2	57.2	1 48 . .	. .	. .	. .
18	Nemausa	9	7 33.50	+ 0.10	-34.71	35 20 7.90	47.912	+ 40.6	58.0	2 6 58.89	. .	+ 3 29 35.5	. .
	October 15, K.												
19	δ Leonis	11	9 11.64	+ 0.14	-34.82	17 46 8.20	43.661	+ 18.1	60.1	11 8 . .	. .	. .	. .
20	β Leonis	11	44 22.05	+ 0.10	-34.80	23 42 7.50	44.628	+ 24.4	60.5	11 43 . .	. .	. .	. .
21	γ Corvi	11	11 3.98	- 0.07	-34.85	55 48 8.50	44.741	+ 1 21.2	59.8	12 10 . .	. .	. .	. .
22	Mercury II, C.	11	37 14.13	+ 0.01	-34.86	42 2 6.32	45.009	+ 49.7	60.4	12 36 39.28	- 0.29	3 11 33.4	. .
23	α Ursæ Minoris S. P.	2	22 41.56	- 12 12	[-34.83]	307 38 12.35	44.820	- 1 10.9	[59.6]	1 21 . .	. .	. .	. .
	October 16, K.												
24	Sun I, S.	11	27 44.56	- 0.03	-34.88	48 22 9.70	44.150	+ 1 1.8	60.4	13 27 9.65	+65.25	9 31 31.5	. .
25	Sun II, N.	11	29 55.06	- 0.03	-34.89	47 50 16.30	43.315	+ 1 0.6	60.4	13 29 20.14	-65.24	8 59 22.7	. .
26	α Bootis	8	11 31.34	+ 0.13	-34.89	19 8 10.40	43.935	+ 19.1	60.1	14 10 . .	. .	. .	. .
27	ε Bootis	11	41 2.86	+ 0.17	-34.93	11 20 6.15	46.615	+ 11.1	60.8	14 40 . .	. .	. .	. .
28	Venus I, C.	6	11 10.95	- 0.08	-34.94	56 58 7.10	45.338	+ 1 24.6	60.4	15 10 35.93	+ 0.37	18 8 15.3	. .
29	Venus II.	5	11 11.62	- 0.08	-34.94				. .	15 10 36.60	- 0.30		. .
30	α Coronæ Borealis	11	30 53.23	+ 0.17	-34.95	11 48 6.38	42.792	+ 11.6	60.6	15 30 . .	. .	. .	. .
31	α Serpentis	11	39 45.44	+ 0.06	-34.98	32 6 7.50	43.942	+ 34.6	61.2	15 39 . .	. .	. .	. .
	October 19, S.												
32	12 Ceti	11	25 24.16	+ 0.24	-36.26	43 22 6.70	44.272	+ 55.6	58.1	0 24 . .	. .	. .	. .
33	Moon I, S.	11	33 4.97	+ 0.31	-36.21	31 52 5.50	42.032	+ 36.6	57.2	0 32 29.07	+61.33	6 59 34.3	. .
34	β Ceti	11	39 2.66	+ 0.18	-36.25	57 24 5.65	41.026	+ 1 31.8	57.7	0 38 . .	. .	. .	. .
35	ε Piscium	11	58 12.84	+ 0.30	-36.16	31 30 8.68	45.896	+ 36.1	57.3	0 57 . .	. .	. .	. .
36	β Andromedæ	11	4 34.62	+ 0.48	-36.16	3 48 2.60	40.492	+ 4.0	56.7	1 3 . .	. .	. .	. .
37	α Ursæ Minoris	5	22 15.15	+ 15.55	[-36.20]	310 8 . .			. .	1 21 . .	. .	. .	. .
38	β Arietis	11	49 33.96	+ 0.37	-36.25	18 32 4.52	46.458	+ 19.8	56.7	1 48 . .	. .	. .	. .
39	Nemausa	11	4 5.70	+ 0.28	-36.20	35 56 6.32	46.509	+ 42.8	57.2	2 3 29.78	. .	+ 2 54 1.4	. .
40	ζ Ceti	11	33 17.97	+ 0.31	-36.18	30 52 5.52	40.481	+ 35.2	57.0	2 22 . .	. .	. .	. .
	October 19, K.												
41	Mercury II, C.	11	40 52.03	+ 0.12	-36.10	41 28 6.30	45.208	+ 50.9	58.2	12 40 16.05	- 0.26	2 37 40.7	. .
42	α Canum Venat.	8	51 47.08	+ 0.45	-36.11	359 58 7.15	47.172	0.0	57.7	12 51 . .	. .	. .	. .
43	α Ursæ Minoris S. P.	5	22 48.75	- 18.09	[-36.14]	307 38 5.82	45.415	- 1 13.8	[59.3]	1 21 . .	. .	. .	. .
	October 20, K.												
44	Sun N.					49 16 10.32	45.638	+ 1 6.2	58.2	13 43 . .	. .	- 10 26 7.2	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
15 13 26	29.578	62.1	62.2	1, 24, 44.	Bisections at I, II.	1	+ 6.5	-16 4.5	. .	-15 58.0
14 11	29.568	63.9	64.0	2, 25, 26, 30, 42.	Bisections at VI, VII.	2	+ 6.6	+16 4.5	. .	+16 11.1
15 6	29.552	65.9	65.2	10, 33.	Bisections at III, IV, V.	4	+ 5.0		- 0.2	+ 4.8
15 39	29.548	67.0	66.3	15.	Bisections at C, C ₃ , C ₅ .	10	+44 47.6	+15 5.6	. .	+59 53.2
21 9	29.556	59.3	59.2	18.	Bisections at II, VI, VII.	22	+ 7.7		+ 1.1	+ 8.8
22 1	29.572	57.9	57.1	23.	Bisection at D ₁ .	24	+ 6.6	+16 4.4	. .	+16 11.0
23 54	29.570	57.1	57.1	43.	Bisections at D ₃ , D ₁ .	25	+ 6.6	-16 4.4	. .	-15 57.8
1 15	29.562	55.2	54.7			28	+ 5.0		- 0.2	+ 4.8
2 7	29.550	53.4	52.4			33	+28 22.0	+14 44.6	. .	+43 6.6
11 11	29.536	61.2	60.0			41	+ 6.8		+ 0.9	+ 7.7
11 46	29.494	67.8	66.3			44	+ 6.7	-16 5.7	. .	-15 59.0
12 13	29.490	70.3	69.1							
12 33	29.490	71.5	70.0							
13 19	29.526	71.3	72.1							
13 29	29.524	72.0	72.2							
14 14	29.510	71.4	73.1							
15 13	29.508	71.8	70.3							
15 43	29.502	71.0	69.8							
19 0 25	29.864	44.5	44.1							
1 15	29.854	44.8	43.6							
2 23	29.843	44.3	42.6							
12 43	29.830	55.0	54.0							
13 19	29.826	56.7	57.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	" "	" "	h m s	s	° ' "	" "
1	Sun S.					49 48 9.75	46.102	+ 1 7.5	58.2	13 43 . . .		- 10 58 18.7	
2	α Bootis	11	41 32.53	+ 0.28	-36.22	19 8 8.98	43.980	+ 19.8	57.9	14 10 . . .			
3	ε Bootis	11	41 3.97	+ 0.34	-36.22	11 20 4.75	46.634	+ 11.4	59.1	14 40 . . .			
4	Venus I, C.	5	31 9.14	0.00	-36.30	58 24 8.30	45.601	+ 1 31.7	58.2	15 30 32.84	+ 0.36	- 19 34 30.8	
5	Venus II	6	31 9.78	0.00	-36.30					15 30 33.48	- 0.28		
October 20, P.													
6	α Ursæ Minoris S. P.	3	22 44.90	-13.50	[-36.82]	307 38 . . .				1 21 . . .			
October 21, P.													
7	Sun I, N.	11	46 35.74	- 0.01	-36.86	49 38 8.80	43.640	+ 1 6.0	59.8	13 45 58.87	+65.73	- 10 47 25.6	
8	Sun II, S.	11	48 47.20	- 0.01	-36.86	50 10 9.22	43.957	+ 1 7.3	59.8	13 48 10.33	-65.73	- 11 19 35.2	
9	α Coronæ Borealis .	11	30 55.05	+ 0.20	-36.83	11 48 8.12	42.692	+ 11.7	59.5	15 30 . . .			
10	Venus I, C.	6	36 12.10	- 0.07	-36.85	58 44 8.58	46.560	+ 1 31.5	59.8	15 35 35.18	+ 0.39	- 19 54 47.7	
11	Venus II	5	36 12.80	- 0.07	-36.85					15 35 35.88	- 0.31		
12	α Serpentis	11	39 47.21	+ 0.08	-36.79	32 6 9.78	43.789	+ 34.9	59.1	15 39 . . .			
13	δ Ophiuchi	11	9 32.51	+ 0.03	-36.82	42 16 8.10	45.432	+ 50.5	60.2	16 8 . . .			
14	α Scorpii	11	23 41.25	- 0.10	-36.97	65 0 9.62	49.750	+ 1 59.2	60.4	16 23 . . .			
15	α Ursæ Minoris . . .	6	22 12.00	+19.45	[-36.83]	310 8 . . .				1 21 . . .			
16	η Piscium	11	26 36.15	+ 0.06	-36.80	24 2 4.25	44.296	+ 26.3	58.7	1 25 . . .			
17	ο Piscium	11	40 35.24	+ 0.01	-36.82	30 12 2.92	45.559	+ 34.3	57.6	1 39 . . .			
18	β Arietis	11	49 34.86	+ 0.10	-36.85	18 32 2.30	46.612	+ 19.8	57.7	1 48 . . .			
19	α Arietis	11	1 59.80	+ 0.13	-36.80	15 52 2.58	45.970	+ 16.8	57.7	2 1 . . .			
20	Moon II, N.	11	6 20.92	+ 0.08	-36.82	21 10 6.48	43.051	+ 22.9	57.9	2 5 44.18	-63.97	+ 17 41 28.2	
October 21, S.													
21	δ Leonis	11	9 13.57	+ 0.32	-36.80	17 46 6.12	43.634	+ 18.8	57.0	11 8 . . .			
22	β Leonis	11	44 24.12	+ 0.28	-36.95	23 42 8.08	44.362	+ 25.7	57.6	11 43 . . .			
23	Mercury C, C. . . .	8	46 5.62	+ 0.16	-36.94	41 44 7.42	42.678	+ 51.8	58.1	12 45 28.84	- 0.09	- 2 52 55.4	
24	α Ursæ Minoris S. P.	8	22 48.97	-17.34	[-36.97]	307 38 4.58	45.483	- 1 14.6	[58.0]	1 21 . . .			
October 22, S.													
25	Sun I, N.	11	50 23.31	+ 0.11	-37.00	49 58 8.30	46.982	+ 1 8.6	58.1	13 49 46.42	+66.10	- 11 8 33.4	
26	Sun II, S.	11	52 35.50	+ 0.11	-37.00	50 30 10.68	47.400	+ 1 9.9	58.1	13 51 58.61	-66.09	- 11 40 47.0	
27	ε Bootis	8	41 4.75	+ 0.36	-37.02	11 20 9.90	46.240	+ 11.6	57.8	14 40 . . .			
28	μ Bootis	11	21 11.35	+ 0.46	-37.13	1 6 7.18	47.542	+ 1.2	58.4	15 20 . . .			
29	α Coronæ Borealis .	10	30 55.05	+ 0.36	-37.00	11 48 8.72	42.672	+ 12.0	58.9	15 30 . . .			
30	Venus I, C.	6	41 15.40	+ 0.06	-37.09	59 4 7.18	45.691	+ 1 35.2	58.1	15 40 38.37	+ 0.42	- 20 14 35.0	
31	Venus II	5	41 16.16	+ 0.06	-37.09					15 40 39.13	- 0.34		
32	α Scorpii	11	23 41.32	+ 0.02	-37.17	65 0 11.78	49.438	+ 2 1.9	58.7	16 23 . . .			
33	θ Aquarii	11	12 1.83	+ 0.05	-37.23	47 8 4.32	44.895	+ 1 2.6	57.8	22 11 . . .			
34	α Piscis Australis .	11	52 36.17	- 0.12	-37.23	69 0 6.98	41.450	+ 2 30.5	58.1	22 51 . . .			
35	θ Ceti	11	19 30.91	+ 0.04	-37.13	47 34 1.10	41.974	+ 1 3.7	59.7	1 18 . . .			
36	α Ursæ Minoris . . .	6	22 13.34	+18.48	[-37.13]	310 6 4.60	47.362	- 1 8.9	[57.9]	1 21 . . .			
37	Moon II, N.	11	55 30.23	+ 0.26	-37.20	17 4 3.28	36.677	+ 17.9	58.2	2 54 53.29	-65.91	+ 21 49 37.9	
38	α Ceti	11	57 32.05	+ 0.13	-37.27	35 10 9.00	42.412	+ 41.1	57.9	2 56 . . .			
39	ζ Arietis	11	9 36.94	+ 0.25	-37.21	18 12 3.70	41.922	+ 19.2	57.6	3 8 . . .			
October 23, P.													
40	Mercury C, C. . . .	11	53 8.78	+ 0.09	-38.08	42 16 4.62	45.749	+ 52.1	58.4	12 52 30.79	- 0.07	- 3 25 50.3	
41	α Ursæ Minoris S. P.	7	22 50.83	-17.85	[-38.15]	307 38 . . .				1 21 . . .			

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				" "	" "	" "	" "
20	13 44	29.812	58.5	58.3	I, 8, 9, 22, 23, 26, 27, 28.	Bisections at VI, VII.	1	+ 6.8	+16 5.7		+16 12.5
	14 14	29.800	59.7	60.0	7, 25.	Bisections at I, II.	4	+ 5.2		- 0.2	+ 5.0
	14 37	29.796	61.7	60.9			7	+ 6.8	-16 4.8		-15 58.0
	15 33	29.790	63.5	63.0	20.	Bisections at II, III, IV, V, VI.	8	+ 6.8	+16 4.8		+16 11.6
21	13 48	29.698	64.8	64.2	24.	Bisections at D ₃ , D ₂ , D ₁ .	10	+ 5.2		- 0.2	+ 5.0
	15 39	29.684	69.5	68.7	29.	Bisections at II, VI, VII.	20	+19 21.4	-14 44.4		+ 4 37.0
	16 8	29.690	70.0	69.3	36.	Bisections at B ₁ , B ₂ , B ₃ .	23	+ 6.3		+ 0.7	+ 7.0
	16 23	29.694	69.0	68.0	37.	Bisections at III, IV, V.	25	+ 6.8	-16 6.7		-15 59.9
	1 26	29.834	46.0	43.6	38.	Bisections at I, II, VII.	26	+ 6.9	+16 6.8		+16 13.7
	2 6	29.834	44.5	42.4			30	+ 5.2		- 0.2	+ 5.0
	11 9	29.958	48.5	47.2			37	+15 43.0	-14 46.6		+ 0 56.4
	12 54	29.950	54.9	52.1			40	+ 6.0		+ 0.6	+ 6.6
22	13 52	29.926	55.9	54.9							
	15 30	29.881	59.5	58.0							
	16 23	29.863	61.1	59.2							
	22 6	29.814	51.2	49.2							
	22 55	29.814	50.0	48.4							
	1 0	29.783	48.3	46.5							
	2 25	29.764	47.9	46.2							
	3 16	29.752	46.0	46.3							
23	12 53	29.594	52.0	50.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction	APPARENT DECLINA- TION.	Miscellaneous correction.								
			m	s	Instrument.	Clock.																
	October 24, P.		m	s	s	s	°	'	"	rev.	'	"	"	h	m	s	s	°	'	"	"	
1	Sun I, S.	11	58	2.35	+ 0.03	-38.10	51	12	2.68	47.152	+ 1	11.0	58.4	13	57	24.28	+66.12	-	12	22	33.2	.
2	Sun II, N.	11	0	14.60	+ 0.03	-38.10	50	40	6.70	46.272	+ 1	9.7	58.4	13	59	36.53	-66.13	-	11	50	20.9	.
3	Venus I, C.	6	51	27.30	- 0.04	-38.12	59	42	5.90	45.335	+ 1	37.5	58.4	15	50	49.14	+ 0.49	-	20	52	28.9	.
4	Venus II.	5	51	28.18	- 0.04	-38.12								15	50	50.02	- 0.39					.
5	α Scorpii	11	23	42.33	- 0.08	-38.09	65	0	7.32	49.564	+ 2	2.1	57.6	16	23							.
6	β Herculis	11	26	24.35	+ 0.26	-38.20	17	8	5.60	45.190	+ 17.7		58.8	16	25							.
7	α ¹ Herculis	11	10	34.00	+ 0.21	-38.09	24	20	6.80	45.912	+ 25.9		58.8	17	9							.
8	α Ursæ Minoris	2	22	14.10	+18.98	[-38.23]	310	8						1	21							.
9	Nemausa	11	59	40.85	+ 0.11	-38.24	36	40	7.25	42.239	+ 44.0		56.3	1	59	2.72		+ 2	11	20.3		.
10	α Ceti	11	57	33.07	+ 0.12	-38.27	35	10	5.42	42.465	+ 41.8		56.4	2	56							.
11	ζ Arietis	11	9	38.01	+ 0.25	-38.24	18	12	3.10	41.862	+ 19.6		56.3	3	9							.
12	η Tauri	11	42	0.82	+ 0.27	-38.25	15	4	6.38	43.661	+ 16.1		55.9	3	41							.
13	ζ Persei	11	48	18.52	+ 0.34	-38.25	7	16	5.35	45.930	+ 7.6		56.6	3	47							.
14	Moon II, N.	11	42	25.28	+ 0.31	-38.27	11	52	6.45	40.230	+ 12.5		56.3	4	41	47.32	-69.60	+ 27	0	31.1		.
	October 25, S.																					.
15	δ Leonis	11	9	15.48	+ 0.17	-38.46	17	46	5.98	43.637	+ 19.0		56.8	11	8							.
16	β Leonis	11	44	25.93	+ 0.13	-38.52	23	42	5.40	44.614	+ 25.9		57.7	11	43							.
17	α Canum Venat.	11	51	49.72	+ 0.31	-38.51	359	58	4.35	47.498	+ 0.0		57.9	12	51							.
18	Mercury C, C.	11	1	37.22	0.00	-38.56	43	4	8.75	42.540	+ 54.3		58.1	13	0	58.66	- 0.06	-	4	12	55.4	.
19	α Virginis	11	20	23.31	- 0.04	-38.62	49	28	7.65	43.195	+ 1	7.7	58.3	13	19							.
20	α Ursæ Minoris s. p.	6	22	48.83	-15.37	[-38.59]	307	38	6.60	45.498	- 1	14.7	[58.5]	1	21							.
	October 26, S.																					.
21	Sun I, N.	11	5	43.66	- 0.05	-38.59	51	22	5.98	43.195	+ 1	11.9	58.1	14	5	5.02	+66.38	-	12	31	21.8	.
22	Sun II, S.	11	7	56.42	- 0.05	-38.59	51	54	6.50	43.758	+ 1	13.3	58.1	14	7	17.78	-66.38	-	13	3	36.4	.
23	α Coronæ Borealis	11	30	56.84	+ 0.21	-38.65	11	48	8.88	42.660	+ 12.0		57.8	15	30							.
24	α Serpentis	11	39	49.00	+ 0.07	-38.59	32	6	11.48	43.625	+ 35.8		59.1	15	39							.
25	ε Serpentis	11	46	18.29	+ 0.06	-38.64	34	2	9.80	48.858	+ 38.6		59.0	15	45							.
26	Venus I, C.	6	1	43.22	- 0.11	-38.66	60	18	4.78	44.221	+ 1	39.6	58.1	16	1	4.45	+ 0.46	-	21	28	8.8	.
27	Venus II	5	1	44.04	- 0.11	-38.66								16	1	5.27	- 0.36					.
28	α Scorpii	11	23	43.04	- 0.15	-38.74	65	2	8.68	43.288	+ 2	1.7	58.5	16	23							.
29	θ Piscium	11	23	24.40	+ 0.22	-39.16	33	2	6.20	44.059	+ 37.7		58.5	23	22							.
30	ω Piscium	11	54	41.04	+ 0.22	-38.95	32	34	4.90	41.648	+ 37.0		58.6	23	54							.
31	α Ursæ Minoris	8	22	19.80	+14.33	[-39.29]	310	8	2.72	41.230	- 1	8.8	[58.2]	1	21							.
32	η Piscium	11	26	38.28	+ 0.26	-39.10	24	2	6.30	44.088	+ 26.0		58.1	1	25							.
33	Nemausa	11	57	55.00	+ 0.20	-39.09	36	56	5.98	43.391	+ 43.8		58.5	1	57	16.11		+ 1	55	1.9		.
34	ξ ¹ Ceti	11	8	12.52	+ 0.23	-39.10	30	28	2.30	47.258	+ 34.4		57.1	2	7							.
35	γ Eridani	11	53	53.80	+ 0.12	-39.16	52	38	1.90	44.734	+ 1	16.4	59.7	3	53							.
36	β Orionis	11	10	15.26	+ 0.15	-39.12	47	10	5.40	42.449	+ 1	3.1	58.3	5	9							.
37	α Leporis	11	28	51.31	+ 0.10	-39.16	56	44	4.45	42.716	+ 1	29.0	59.1	5	28							.
38	α Orionis	11	50	15.44	+ 0.22	-39.08	31	28	2.85	42.599	+ 35.9		58.5	5	49							.
39	Mars I, C.	6	56	58.10	+ 0.31	-39.14	14	52	4.50	45.516	+ 15.6		58.5	5	56	19.27	+ 0.46	+ 23	58	50.6		.
40	Mars II	5	56	59.10	+ 0.31	-39.14								5	56	20.27	- 0.54					.
41	δ Ursæ Minoris s. p.	5	6	2.34	- 5.03	[-39.21]	305	30						18	5							.
42	Moon II, S.	11	36	55.92	+ 0.34	-39.15	12	36	6.65	48.298	+ 13.2		58.5	6	36	17.11	-70.81	+ 26	13	57.7		.
43	α Canis Majoris	11	41	16.29	+ 0.11	-39.15	55	24	4.00	45.105	+ 1	25.1	59.0	6	40							.
	October 26, K.																					.
44	β Leonis	11	44	26.46	+ 0.16	-39.06	23	42	4.10	44.794	+ 25.5		59.3	11	43							.
45	γ Corvi	7	11	8.38	- 0.03	-39.09	55	48	9.38	44.458	+ 1	25.1	60.4	12	10							.
46	α Canum Venat.	11	51	50.34	+ 0.34	-39.15	359	58	10.32	47.256	+ 0.0		58.9	12	51							.

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.	No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h	m	in.	°	°			' "	' "	"	' "
24	14	0	29.501	53.1	52.2	1, 21.	1	+	6.9	+16 6.1	+16 13.0
15	51		29.524	55.0	53.0		2	+	6.9	-16 6.2	-15 59.3
2	16		29.544	54.5	53.0	2, 22, 25, 32, 45.	3	+	5.3	.	+ 5.1
17	10		29.552	55.0	53.1	14, 42.	14	+	11 5.8	-14 55.9	- 3 50.1
1	59		29.780	42.0	40.3	15, 23.	18	+	5.8	.	+ 6.3
2	57		29.792	40.0	38.1	20.	21	+	6.9	-16 7.2	-16 0.3
3	48		29.800	38.5	37.4	31.	22	+	7.0	+16 7.3	+16 14.3
4	42		29.806	38.0	37.2		26	+	5.4	.	+ 5.2
25	11	9	29.950	44.6	42.4		39	+	3.3	.	+ 3.3
11	44		29.950	46.8	45.1		42	+	12 2.5	+15 12.5	+27 15.0
12	51		29.954	52.8	50.3					- 0.2	
26	14	7	29.944	56.3	56.0					0.0	
15	39		29.926	61.0	60.2					.	
16	1		29.923	62.0	60.6						
16	23		29.920	62.8	61.2						
23	29		29.924	53.0	52.3						
23	58		29.924	52.9	51.8						
1	26		29.926	50.9	49.4						
2	8		29.922	50.5	49.2						
3	2		29.922	49.8	48.6						
4	14		29.928	48.8	47.7						
5	25		29.926	48.8	47.5						
6	41		29.939	46.4	45.4						
11	46		30.028	53.8	52.3						
12	11		30.036	56.6	54.6						
12	52		30.048	60.2	58.1	9. Bright wire illumination for R. A.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	α Virginis	11	m s 20 23.87	+ 0.01	-39.22	49 28 9.90	43.048	+ 1 6.8	58.2	13 19 . . .			
2	α Ursæ Minoris S. P.	7	22 49.17	-15.18	[-39.19]	307 38 9.10	45.395	- 1 13.8	[59.4]	1 21 . . .			
October 27, K.													
3	Sun I, N.	11	9 35.53	- 0.01	-39.15	51 42 8.85	43.798	+ 1 11.8	60.0	14 8 56.37	+66.46	- 12 51 34.2	
4	Sun II, S.	11	11 48.45	- 0.01	-39.15	52 14 7.72	44.485	+ 1 13.2	60.0	14 11 9.29	-66.46	- 13 23 49.6	
5	α Coronæ Borealis	11	30 57.27	+ 0.24	-39.12	11 48 12.48	42.576	+ 11.8	59.0	15 30 . . .			
6	α Serpentis	11	39 49.45	+ 0.11	-39.08	32 6 6.55	43.962	+ 35.4	60.1	15 39 . . .			
7	δ Scorpii	9	54 52.43	- 0.06	-39.22	61 8 5.05	49.191	+ 1 42.2	60.0	15 54 . . .			
8	β Scorpii	7	0 4.70	- 0.05	-39.16	58 20 2.10	48.930	+ 1 31.4	61.2	15 59 . . .			
9	Venus I, C.	5	6 53.40	- 0.06	-39.16	60 34 3.78	47.320	+ 1 39.8	60.0	16 6 14.18	+ 0.35	- 21 45 5.5	
10	Venus II, ...	6	6 54.02	- 0.06	-39.16					16 6 14.80	- 0.27		
11	α Scorpii	11	23 43.39	- 0.09	-39.15	65 2 7.68	43.568	+ 2 0.6	61.7	16 23 . . .			
12	β Herculis	11	26 25.36	+ 0.20	-39.18	17 8 8.48	45.119	+ 17.4	59.5	16 25 . . .			
13	ζ Ophiuchi	11	32 7.29	+ 0.01	-39.23	49 12 7.55	44.125	+ 1 5.3	61.6	16 31 . . .			
14	α Piscium	11	40 37.79	+ 0.22	-39.54	30 12 2.92	45.638	+ 33.8	58.7	1 39 . . .			
15	β Arietis	8	49 37.43	+ 0.28	-39.55	18 32 1.52	46.595	+ 19.5	58.1	1 48 . . .			
16	Nemausa	11	57 2.54	+ 0.20	-39.55	37 4 4.55	43.379	+ 43.8	58.1	1 56 23.19		+ 1 47 3.1	
17	ξ Ceti	11	8 13.00	+ 0.22	-39.56	30 28 2.90	47.256	+ 34.2	57.5	2 7 . . .			
18	ξ Ceti	11	23 21.52	+ 0.22	-39.55	30 50 . . .				2 22 . . .			
19	β Orionis	11	10 15.83	+ 0.15	-39.67	47 9 59.18	42.879	+ 1 3.1	60.2	5 9 . . .			
20	Neptune C, C.	11	17 28.61	+ 0.29	-39.52	17 12 3.50	46.388	+ 18.2	58.9	5 16 49.38		+ 21 38 32.7	
21	δ Orionis	11	27 24.97	+ 0.19	-39.53	39 12 0.62	47.670	+ 47.8	59.5	5 26 . . .			
22	ϵ Orionis	11	31 39.55	+ 0.18	-39.57	40 6 5.50	45.845	+ 49.3	58.9	5 31 . . .			
23	α Orionis	11	50 15.87	+ 0.22	-39.48	31 28 3.55	42.555	+ 35.8	58.1	5 49 . . .			
24	Mars I, C.	6	57 18.42	+ 0.30	-39.51	14 50 2.32	43.794	+ 15.6	58.9	5 56 39.21	+ 0.43	+ 24 1 26.2	
25	Mars II, ...	5	57 19.36	+ 0.30	-39.51					5 56 40.15	- 0.51		
26	γ Orionis	11	2 21.56	+ 0.25	-39.47	24 4 4.08	44.460	+ 26.2	57.7	6 1 . . .			
27	δ Ursæ Minoris S. P.	7	6 0.92	+ 4.19	[-39.04]	305 30 2.35	43.753	- 1 21.7	[59.3]	18 5 . . .			
28	μ Geminorum	11	17 23.76	+ 0.29	-39.44	16 16 1.25	47.954	+ 17.2	59.0	6 16 . . .			
29	δ Geminorum	11	14 38.04	+ 0.29	-39.41	16 40 1.40	46.928	+ 17.6	58.7	7 13 . . .			
30	λ Ursæ Minoris S. P.	5	26 15.56	-14.41	[-40.89]	307 50 5.52	50.138	- 1 15.2	[59.9]	19 25 . . .			
31	Moon II, S.	11	34 11.43	+ 0.31	-39.50	15 0 7.42	46.512	+ 15.8	58.9	7 33 32.24	-70.27	+ 23 50 28.9	
32	β Geminorum	11	39 40.46	+ 0.32	-39.44	10 34 3.02	46.782	+ 11.0	59.2	7 39 . . .			
33	ϕ Geminorum	11	47 51.37	+ 0.32	-39.57	11 48 3.60	48.390	+ 12.4	59.1	7 47 . . .			
October 29, S.													
34	ϵ Piscium	11	58 16.91	+ 0.11	-40.02	31 30 7.00	46.184	+ 35.0	60.1	0 57 . . .			
35	α Ursæ Minoris	6	22 26.09	+ 8.30	[-40.08]	310 8 1.70	41.273	- 1 7.3	[60.5]	1 21 . . .			
36	η Piscium	11	26 39.42	+ 0.14	-40.11	24 2 4.45	44.391	+ 25.5	60.3	1 25 . . .			
37	α Piscium	11	40 38.46	+ 0.12	-40.10	30 12 4.85	45.619	+ 33.2	59.7	1 39 . . .			
38	β Arietis	11	49 38.15	+ 0.16	-40.14	18 32 4.35	46.620	+ 19.2	59.9	1 48 . . .			
39	Nemausa	11	55 18.04	+ 0.09	-40.11	37 18 0.15	48.378	+ 43.5	59.9	1 54 38.02		+ 1 31 33.8	
40	α Arietis	11	2 3.16	+ 0.17	-40.12	15 52 5.45	45.833	+ 16.3	59.6	2 1 . . .			
October 30, K.													
41	β Cephei pr. S. P.	6	28 0.43	- 0.21	[-40.57]	289 0 . . .				21 27 . . .			
42	ϵ Leonis	11	40 40.42	+ 0.11	-40.28	14 36 4.02	45.452	+ 14.7	61.6	9 40 . . .			
43	μ Leonis	11	47 34.43	+ 0.12	-40.28	12 20 1.70	50.054	+ 12.4	61.3	9 46 . . .			
44	α Leonis	11	3 33.17	+ 0.05	-40.26	26 22 3.30	46.761	+ 28.0	62.6	10 2 . . .			
45	Moon II, S.	11	17 52.51	+ 0.03	-40.28	29 54 3.60	43.268	+ 32.4	62.0	10 17 12.26	-67.79	+ 8 57 21.5	
46	ρ Leonis	11	28 3.12	+ 0.03	-40.27	29 0 2.30	46.752	+ 31.3	62.7	10 27 . . .			

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Senri-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	' "	' "
26	13	18	30.052	62.5	60.4	1, 4, 8, 15, 40.	Bisections at VI, VII.	3	+	7.0	-16 7.7	-16 0.7
27	14	11	30.045	63.2	64.9	2.	Bisections at D ₃ , D ₁ .	4	+	7.0	+16 7.7	+16 14.7
15	32		30.032	66.2	67.0	3.	Bisections at I, II.	9	+	5.4	- 0.2	+ 5.2
16	3		30.032	68.0	67.2	27, 30.	Bisections at C ₅ , C ₃ , C ₁ .	20	+	0.1		+ 0.1
1	43		30.032	54.0	53.8	31, 45.	Bisections at II, III, IV, V, VI.	24	+	3.3	0.0	+ 3.3
2	0		30.032	54.0	53.4	35.	Bisections at C ₁ , C ₂ , C ₃ .	31	+14	28.6	+15 23.9	+29 52.5
2	21		30.026	54.0	53.4			45	+29	16.4	+16 6.7	+45 23.1
5	9		30.032	51.3	49.3							
5	35		30.030	51.0	49.1							
5	55		30.032	50.3	48.8							
6	20		30.038	50.5	48.4							
7	12		30.040	48.5	47.5							
7	43		30.048	49.0	47.0							
29	0	58	29.966	62.4	61.2							
2	2		29.938	61.6	60.3							
30	9	38	29.730	63.5	63.1							
10	5		29.738	63.5	62.8							
10	24		29.748	64.0	63.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
October 30, P.													
1	α Canum Venat.	11	51 51.87	+ 0.17	-40.44	359 58 4.75	47.722	0.0	61.1	12 51 . . .	. . .		. . .
2	α Virginis	11	20 25.31	- 0.08	-40.51	49 28 5.62	43.620	+ 1 5.1	61.5	13 19 . . .	. . .		. . .
3	α Ursæ Minoris S. P.	8	22 44.25	- 9.84	[-40.48]	307 38 . . .	. . .	. . .	. . .	1 21 . . .	. . .		. . .
4	Mercury C, C.	11	27 1.50	- 0.06	-40.48	45 42 4.82	44.490	+ 57.1	61.5	13 26 20.96	- 0.03	- 6 51 28.2	. . .
October 31, P.													
5	Sun I, N.	11	25 10.73	- 0.10	-40.49	53 0 8.20	46.332	+ 1 13.7	61.9	14 24 30.14	+66.84	- 14 10 22.1	. . .
6	Sun II, S.	11	27 24.42	- 0.10	-40.49	53 32 5.95	47.168	+ 1 15.1	61.9	14 26 43.83	-66.85	- 14 42 39.3	. . .
7	δ Ophiuchi	11	9 36.25	- 0.04	-40.52	42 16 5.70	45.782	+ 50.1	63.5	16 8 . . .	. . .		. . .
8	α Scorpis	11	23 44.88	- 0.16	-40.58	65 2 6.58	43.795	+ 1 57.9	62.5	16 23 . . .	. . .		. . .
9	Venus I, C.	5	27 43.76	- 0.14	-40.51	61 36 5.42	46.436	+ 1 41.7	62.9	16 27 3.11	+ 0.49	- 22 46 49.2	. . .
10	Venus II	6	27 44.62	- 0.14	-40.51	. . .	. . .	. . .	. . .	16 27 3.97	- 0.37		. . .
11	κ Ophiuchi	11	53 26.95	+ 0.02	-40.44	29 18 6.22	47.092	+ 31.0	62.8	16 52 . . .	. . .		. . .
12	Nemausa	11	53 34.89	- 0.04	-40.60	37 34 2.28	44.755	+ 43.5	60.5	1 52 54.25	. . .	+ 1 16 41.7	. . .
13	ξ Ceti	11	8 14.25	- 0.01	-40.55	30 28 4.12	47.385	+ 33.3	60.3	2 7 . . .	. . .		. . .
14	ξ Ceti	11	23 22.85	- 0.01	-40.61	30 52 3.30	40.805	+ 33.8	60.3	2 22 . . .	. . .		. . .
15	5 Ursæ Minoris S. P.	11	28 21.97	- 0.70	[-40.60]	295 2 . . .	. . .	. . .	. . .	14 27 . . .	. . .		. . .
16	γ Ceti	11	38 39.79	- 0.03	-40.64	36 2 3.82	46.078	+ 41.3	60.8	2 38 . . .	. . .		. . .
November 1, B.													
17	β Leonis	11	44 28.09	+ 0.06	-40.45	23 42 5.65	44.879	+ 25.7	61.4	11 43 . . .	. . .		. . .
18	Moon II.	11	4 51.66	- 0.03	-40.37	43 28 . . .	. . .	. . .	. . .	12 4 11.26	-68.89		. . .
19	α Canum Venat.	11	51 51.91	+ 0.17	-40.44	359 58 5.65	47.594	0.0	58.8	12 51 . . .	. . .		. . .
20	α Ursæ Minoris S. P.	7	22 41.34	- 7.26	[-40.60]	307 38 1.70	45.815	- 1 13.5	[59.5]	1 21 . . .	. . .		. . .
21	Mercury C, C.	10	38 13.97	- 0.04	-40.51	46 54 7.35	46.600	+ 1 0.8	60.6	13 37 33.42	- 0.02	- 8 4 15.8	. . .
22	α Bootis	11	11 37.05	+ 0.08	-40.46	19 8 4.62	44.510	+ 19.7	60.6	14 10 . . .	. . .		. . .
November 2, B.													
23	Sun II	11	35 16.92	- 0.08	-40.60	53 54 . . .	. . .	. . .	. . .	14 34 36.24	-67.16		. . .
24	α Scorpis	5	23 45.03	- 0.14	-40.76	65 2 8.52	43.540	+ 1 59.9	61.6	16 23 . . .	. . .		. . .
25	Venus I	6	38 14.88	- 0.13	-40.78	62 4 . . .	. . .	. . .	. . .	16 37 33.97	+ 0.44		. . .
November 2, K.													
26	γ Corvi	11	11 10.51	- 0.15	-40.93	55 48 5.12	44.780	+ 1 24.9	60.2	12 10 . . .	. . .		. . .
27	α Canum Venat.	11	51 52.33	+ 0.22	-40.89	359 58 5.58	47.719	0.0	60.7	12 51 . . .	. . .		. . .
28	α Virginis	11	20 25.83	- 0.11	-40.94	49 28 6.50	43.392	+ 1 6.6	60.7	13 19 . . .	. . .		. . .
29	α Ursæ Minoris S. P.	6	22 46.78	-12.57	[-40.91]	307 38 9.52	45.523	- 1 13.5	[60.7]	1 24 . . .	. . .		. . .
30	Mercury C, C.	11	43 59.21	- 0.09	-40.94	47 32 6.68	44.626	+ 1 2.0	60.5	13 43 18.18	- 0.02	- 8 41 38.6	. . .
31	α Bootis	11	11 37.58	+ 0.08	-40.98	19 8 35.75	42.875	+ 19.7	60.2	14 10 . . .	. . .		. . .
November 3, K.													
32	Sun I, S.	11	37 0.05	- 0.14	-40.95	54 30 9.05	42.675	+ 1 19.0	60.5	14 36 18.96	+67.18	- 15 39 19.5	. . .
33	Sun II, N.	11	39 14.41	- 0.14	-40.95	53 58 6.40	41.995	+ 1 17.4	60.5	14 38 33.32	-67.18	- 15 7 4.1	. . .
34	α Coronæ Borealis	11	30 59.21	+ 0.13	-40.96	11 48 6.65	43.056	+ 11.8	60.6	15 30 . . .	. . .		. . .
November 5, S.													
35	Sappho	11	33 34.31	+ 0.07	-41.52	27 58 0.85	47.371	+ 30.4	60.8	1 32 52.86	. . .	+ 10 52 6.3	. . .
36	Nemausa	11	49 27.72	+ 0.02	-41.52	38 8 1.42	45.056	+ 44.9	60.8	1 48 46.22	. . .	+ 0 42 35.7	. . .
37	α Arietis	11	2 4.63	+ 0.13	-41.50	15 52 2.70	46.054	+ 16.3	60.3	2 1 . . .	. . .		. . .
38	ξ Ceti	11	8 15.20	+ 0.06	-41.54	30 28 4.20	47.315	+ 33.6	59.4	2 7 . . .	. . .		. . .
39	ξ Ceti	11	23 23.77	+ 0.06	-41.56	30 50 9.05	46.829	+ 34.2	61.3	2 22 . . .	. . .		. . .
40	5 Ursæ Minoris S. P.	11	28 22.86	- 0.76	[-41.54]	295 2 . . .	. . .	. . .	. . .	14 27 . . .	. . .		. . .
41	γ Ceti	11	38 40.65	+ 0.03	-41.51	36 2 5.70	45.964	+ 41.6	60.6	2 37 . . .	. . .		. . .
42	e Eridani	11	28 47.74	- 0.03	-41.57	48 38 4.05	46.472	+ 1 5.2	62.4	3 28 . . .	. . .		. . .
43	γ Tauri	11	42 4.45	+ 0.13	-41.51	15 4 3.60	44.068	+ 15.5	61.0	3 41 . . .	. . .		. . .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
30	13 20	29.780	71.0	69.5	5, 32.	Bisections at I, II.					
31	14 27	29.752	71.2	70.4	6, 28.	Bisections at VI, VII.	4	+ 5.5	. . .	+ 0.3	+ 5.8
	16 9	29.724	74.5	73.6	14.	Bisections at II, VI, VII.	5	+ 7.1	-16 8.5	. . .	-16 1.4
	16 28	29.724	75.0	73.8	20.	Bisections at C ₂ , C ₁ , B ₃ .	6	+ 7.2	+16 8.6	. . .	+16 15.8
	16 53	29.716	75.5	74.2	29.	Bisections at D ₃ , D ₁ , C ₅ .	9	+ 5.5	. . .	+ 0.2	+ 5.3
	1 53	29.726	61.0	61.4	33.	Bisection at VI.	21	+ 5.4	. . .	+ 0.2	+ 5.6
	2 35	29.726	61.0	60.0			30	+ 5.3	. . .	+ 0.2	+ 5.5
1	11 54	30.016	53.7	51.7			32	+ 7.3	+16 7.6	. . .	+16 14.9
	12 53	30.048	61.4	60.3			33	+ 7.2	-16 7.7	. . .	-16 0.5
	13 46	30.050	66.0	64.2			35	+ 4.4	. . .	. . .	+ 4.4
2	14 35	30.036	68.2	65.1							
	16 23	30.064	71.5	71.1							
	17 0	30.062	72.0	74.0							
	12 13	30.078	57.8	56.2							
	12 54	30.092	62.2	59.2							
	13 14	30.094	63.6	62.7							
	13 46	30.090	66.0	65.1							
	14 14	30.084	67.2	66.7							
3	14 39	30.074	68.3	68.3							
	15 32	30.056	68.5	68.8							
5	2 8	29.528	55.6	53.0							
	3 42	29.535	52.0	49.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
November 5, Ia.													
1	α Ursæ Minoris s. P.	5	m s 22 46.94	s -12.38	[-41.63]	307 38	rev.	/ //	//	h m s 1 21	s	° / //	//
2	Mercury C, C.	11	1 39.87	-0.04	-41.61	49 26 5.05	43.905	+ 1 7.4	62.7	14 0 58.22	-0.01	- 10 35 26.3	.
3	α Bootis	11	11 38.20	+ 0.13	-41.61	19 8 5.80	44.520	+ 20.0	61.3	14 10	.	.	.
November 6, Ia.													
4	Sun I	7	48 56.89	-0.08	-41.60	55 8	.	.	.	14 48 15.21	+67.69	.	.
5	Sun II	8	51 12.26	-0.08	-41.60	.	.	.	.	14 50 30.58	-67.68	.	.
6	δ Ophiuchi	9	9 37.22	0.00	-41.53	42 16 5.72	45.731	+ 52.0	63.9	16 8	.	.	.
7	α Scorpii	11	23 45.88	-0.15	-41.60	65 2 6.48	43.612	+ 2 2.2	63.5	16 23	.	.	.
8	ζ Ophiuchi	11	32 9.68	-0.04	-41.60	49 12 6.62	44.267	+ 1 6.2	63.4	16 31	.	.	.
9	Venus I, C.	6	59 28.58	-0.13	-41.57	62 50 10.50	43.070	+ 1 50.8	62.7	16 58 46.88	+ 0.50	- 23 59 59.0	.
10	Venus II	5	59 29.44	-0.13	-41.57	.	.	.	.	16 58 47.74	- 0.36	.	.
11	α Ophiuchi	11	30 49.76	+ 0.09	-41.64	26 12 4.28	47.352	+ 28.1	62.4	17 30	.	.	.
12	μ Herculis	8	43 5.90	+ 0.18	-41.49	11 4 5.15	45.644	+ 11.2	61.9	17 42	.	.	.
13	β Ceti	11	25 29.76	-0.02	-41.64	43 22 4.58	44.664	+ 54.8	61.8	0 24	.	.	.
14	β Ceti	11	39 8.33	-0.11	-41.67	57 24 3.22	41.531	+ 1 30.5	61.4	0 38	.	.	.
15	ϵ Piscium	11	58 18.67	+ 0.05	-41.73	31 30 5.75	46.235	+ 35.6	60.5	0 57	.	.	.
16	α Ursæ Minoris	4	22 22.38	+12.16	[-41.69]	310 8 1.70	41.192	- 1 8.7	[60.4]	1 21	.	.	.
17	Sappho	8	33 4.18	+ 0.06	-41.69	28 10 2.18	44.122	+ 31.2	60.7	1 32 22.55	.	+ 10 41 5.2	.
18	α Arietis	11	2 4.78	+ 0.14	-41.66	15 52 3.58	45.979	+ 16.6	60.2	2 1	.	.	.
19	ξ Ceti	11	8 15.45	+ 0.05	-41.78	30 28 2.80	47.248	+ 34.4	58.8	2 7	.	.	.
20	γ Ceti	11	38 40.82	+ 0.02	-41.66	36 2 3.32	46.082	+ 42.6	61.5	2 37	.	.	.
November 6, P.													
21	α Canum Venat.	11	51 53.24	+ 0.33	-41.83	359 58 4.40	47.781	0.0	59.5	12 51	.	.	.
22	α Virginis	11	20 26.74	+ 0.06	-41.95	49 23 10.50	43.195	+ 1 7.0	59.7	13 19	.	.	.
23	α Ursæ Minoris s. P.	7	22 48.01	-10.81	[-44.42]	307 38	.	.	.	1 21	.	.	.
24	η Bootis	11	50 27.54	+ 0.21	-41.94	19 56 9.05	45.118	+ 20.7	59.8	13 49	.	.	.
25	Mercury C, C.	11	7 40.11	+ 0.06	-41.95	50 4 6.52	43.810	+ 1 7.9	60.1	14 6 58.22	-0.01	- 11 13 29.1	.
November 7, P.													
26	Sun I, S.	11	52 57.65	+ 0.03	-41.99	55 40 13.78	48.652	+ 1 22.8	60.5	14 52 15.69	+67.71	- 16 51 22.6	.
27	Sun II, N.	11	55 13.06	+ 0.03	-41.99	55 8 6.70	47.965	+ 1 21.1	60.5	14 54 31.10	-67.70	- 16 19 2.7	.
28	Venus I, C.	11	4 49.35	-0.02	-42.12	63 0 10.30	42.462	+ 1 49.6	61.6	17 4 7.21	+ 0.46	- 24 9 47.1	.
29	α Herculis	11	10 38.02	+ 0.18	-42.19	24 20 8.78	46.099	+ 25.4	61.9	17 9	.	.	.
30	Moon I	11	17 48.04	-0.04	-42.13	67 11	.	.	.	17 17 5.87	+77.14	.	.
31	α Ophiuchi	11	30 50.14	+ 0.18	-42.12	26 12 5.62	47.295	+ 27.6	62.0	17 30	.	.	.
32	μ Herculis	11	43 6.39	+ 0.26	-42.07	11 4 8.25	45.479	+ 11.0	61.4	17 42	.	.	.
33	γ^2 Sagittarii	11	59 52.74	-0.06	-42.21	69 14 6.28	46.611	+ 2 26.9	62.3	17 59	.	.	.
34	δ Ursæ Minoris	6	5 52.77	+ 4.17	[-43.04]	312 16	.	.	.	18 5	.	.	.
35	B. D.—12°, 6302	11	29 52.79	+ 0.05	-42.15	50 44 4.78	47.498	+ 1 9.5	59.4	22 29 10.69	- 3.84	- 11 54 40.9	-18.3
36	λ Aquarii	11	47 57.28	+ 0.07	-42.15	46 58 2.35	44.811	+ 1 1.0	59.3	22 47	.	.	.
37	α Pegasi	11	0 20.36	+ 0.18	-42.15	24 12 3.42	43.955	+ 25.6	59.6	22 59	.	.	.
November 8, Ia.													
38	α Virginis	11	20 27.23	+ 0.24	-42.58	49 28	.	.	.	13 19	.	.	.
39	α Ursæ Minoris s. P.	6	22 53.17	-18.19	[-42.63]	307 38 7.95	45.802	- 1 16.7	[59.1]	2 21	.	.	.
40	η Ursæ Majoris	11	44 9.51	+ 0.76	[-42.55]	349 2 5.42	44.772	- 11.4	[59.9]	13 43	.	.	.
41	α Bootis	11	11 38.93	+ 0.44	-42.62	19 8 4.15	44.565	+ 20.6	60.4	14 10	.	.	.
42	Mercury C, C.	11	19 48.06	+ 0.23	-42.60	51 18 5.10	48.148	+ 1 14.1	61.0	14 19 5.69	-0.01	- 12 28 56.1	.
November 9, Ia.													
43	Sun I	11	1 1.56	+ 0.20	-42.61	56 0	.	.	.	15 0 19.15	+67.97	.	.
44	Sun II	11	3 17.50	+ 0.20	-42.61	.	.	.	.	15 2 35.09	-67.97	.	.
45	α Scorpii	11	23 46.65	+ 0.14	-42.65	65 2 7.28	43.335	+ 2 5.9	62.4	16 23	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
5 13 40	29.802	54.0	51.1	8.	Bisections at I, II, VI.	2	+	5.2	+	5.3
6 14 51	29.790	55.5	54.1	16.	Bisections at C ₁ , C ₂ , C ₃ .	9	+	5.8	-	5.7
17 8	29.797	59.9	57.9	17, 19, 27.	Bisections at VI, VII.	17	+	4.4	+	4.4
0 25	29.847	51.4	50.9	26.	Bisections at I, II.	25	+	5.2	+	5.3
2 38	29.850	40.8	47.3	35.	Bisections at II, VI, VII.	26	+	7.4	+16 9.9	+16 17.3
13 20	29.798	56.0	55.4	39.	Bisections at D ₂ , D ₃ .	27	+	7.3	-16 9.9	-16 2.6
13 50	29.796	59.5	58.4	45.	Bisections at I, II, VII.	28	+	5.8	-	5.7
14 7	29.784	60.0	59.1			42	+	5.2	+	5.3
14 55	29.762	61.9	61.5							
17 4	29.722	66.5	65.3							
17 43	29.712	67.5	66.2							
17 59	29.706	67.5	65.5							
22 29	29.674	58.5	57.3							
23 0	29.672	57.5	56.3							
8 13 50	29.848	41.3	38.9							
9 15 3	29.822	42.0	39.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus I, C.	6	15 32.35	+ 0.15	-42.63	63 16 4.68	46.982	+ 1 56.1	61.0	17 14 49.87	+ 0.49	- 24 27 15.2	. .
2	Venus II	5	15 33.18	+ 0.15	-42.63					17 14 50.70	- 0.34		. .
3	α Ophiuchi	11	30 50.46	+ 0.39	-42.66	26 12 5.10	47.156	+ 28.9	59.8	17 30 . .			. .
4	α Lyrae	11	34 7.91	+ 0.65	-42.58	0 10 8.15	44.595	+ 0.2	61.4	18 33 . .			. .
November 9, S.													
5	α Canum Venat.	11	51 54.10	+ 0.53	-42.82	359 58 5.28	47.732	0.0	58.5	12 51 . .			. .
6	α Virginis	11	20 27.55	+ 0.22	-42.86	49 28 5.90	43.280	+ 1 9.7	59.1	13 19 . .			. .
7	α Ursæ Minoris s. p.	6	22 49.70	-14.80	[-42.87]	307 38 5.40	46.050	- 1 16.9	[60.1]	1 21 . .			. .
8	α Bootis	11	11 39.32	+ 0.39	-42.94	19 8 6.98	44.361	+ 20.5	58.9	14 10 . .			. .
November 10, S.													
9	Moon I, S.	11	24 57.11	+ 0.23	-43.18	60 36 6.30	50.817	+ 1 44.2	57.9	20 24 14.16	+68.99	- 21 48 21.8	. .
10	α Cygni	11	38 37.14	+ 0.58	[-43.06]	353 56 6.70	46.175	- 6.2	57.8	20 37 . .			. .
11	μ Aquarii	11	47 48.92	+ 0.28	-43.27	48 12 5.30	46.239	+ 1 5.7	58.7	20 47 . .			. .
12	61 st Cygni	8	2 59.01	+ 0.52	-43.12	0 36 6.08	46.401	+ 0.7	57.9	21 2 . .			. .
13	ξ Cygni	11	9 15.68	+ 0.47	-43.18	9 4 7.32	40.654	+ 9.4	57.7	21 8 . .			. .
14	ι Pegasi	11	18 2.19	+ 0.41	-43.25	19 30 11.02	41.388	+ 19.9	57.1	21 17 . .			. .
15	η Ceti	11	19 36.96	+ 0.28	-43.39	47 34 4.30	41.878	+ 1 4.7	58.8	1 18 . .			. .
16	α Ursæ Minoris	6	22 22.45	+12.81	[-43.41]	310 8 2.80	40.868	- 1 9.9	[57.7]	1 21 . .			. .
17	Nemausa	11	45 42.49	+ 0.32	-43.37	38 36 5.38	47.899	+ 47.3	57.9	1 44 59.44		+ 0 13 31.9	. .
18	α Arietis	11	2 6.23	+ 0.43	-43.38	15 52 3.88	45.808	+ 16.9	57.7	2 1 . .			. .
19	ξ Ceti	11	8 16.74	+ 0.36	-43.35	30 28 4.18	47.144	+ 34.9	57.2	2 7 . .			. .
November 12, K.													
20	α Canum Venat.	11	51 55.94	+ 0.43	-44.48	359 58 3.62	47.918	0.0	58.8	12 51 . .			. .
21	α Ursæ Minoris s. p.	4	22 48.78	-13.56	[-44.50]	307 38 7.05	45.995	- 1 15.6	[60.0]	1 21 . .			. .
22	η Bootis	9	50 30.14	+ 0.30	-44.54	19 56 5.90	45.300	+ 21.3	60.5	13 49 . .			. .
23	α Bootis	4	11 41.05	+ 0.30	-44.54	19 8 3.45	44.785	+ 20.3	61.4	14 10 . .			. .
November 13, K.													
24	Sun I, S.	11	17 20.47	+ 0.10	-44.57	57 20 7.35	46.895	+ 1 30.9	60.4	15 16 36.00	+68.45	- 18 30 50.6	. .
25	Sun II, N.	11	19 37.37	+ 0.10	-44.57	56 48 6.78	45.682	+ 1 29.0	60.4	15 18 52.90	-68.45	- 17 58 27.0	. .
26	κ Ophiuchi	11	53 30.88	+ 0.24	-44.63	29 18 6.68	47.040	+ 32.8	60.8	16 52 . .			. .
27	α Herculis	11	10 40.34	+ 0.27	-44.62	24 20 3.58	46.200	+ 26.5	60.1	17 9 . .			. .
28	α Ophiuchi	11	30 52.56	+ 0.26	-44.65	26 12 3.55	47.326	+ 28.9	61.0	17 30 . .			. .
29	Venus I, C.	6	37 6.25	+ 0.06	-44.63	63 42 3.00	48.020	+ 1 58.4	60.4	17 36 21.68	+ 0.48	- 24 53 36.3	. .
30	Venus II	5	37 7.06	+ 0.06	-44.63					17 36 22.49	- 0.33		. .
31	η Herculis	11	43 8.77	+ 0.35	-44.59	11 4 5.32	45.618	+ 11.5	60.4	17 42 . .			. .
32	B. D. -19°, 6303	11	30 20.88	+ 0.02	-44.60	57 46 2.55	47.271	+ 1 34.9	59.1	22 29 36.30	- 3.92	- 18 56 59.4	-15.5
33	η Pegasi	11	37 4.23	+ 0.21	-44.49	28 34 2.20	41.980	+ 32.6	58.8	22 36 . .			. .
34	λ Aquarii	11	47 59.65	+ 0.09	-44.60	46 58 6.90	44.422	+ 1 4.2	57.9	22 47 . .			. .
35	Moon I, S.	11	51 4.30	+ 0.11	-44.60	44 58 3.12	44.343	+ 59.9	59.1	22 50 19.81	+61.90	- 6 7 29.0	. .
36	α Pegasi	11	0 22.68	+ 0.24	-44.60	24 12 2.05	43.960	+ 27.0	59.7	22 59 . .			. .
37	η Piscium	11	23 29.85	+ 0.18	-44.72	33 2 3.50	44.160	+ 39.1	60.3	23 22 . .			. .
38	ε Piscium	11	58 21.35	+ 0.19	-44.56	31 30 1.28	46.321	+ 36.9	58.9	0 57 . .			. .
39	η Ceti	11	19 38.43	+ 0.08	-44.67	47 34 1.88	41.922	+ 1 5.8	59.5	1 18 . .			. .
40	α Ursæ Minoris	6	22 18.12	+16.99	[-44.64]	310 8 1.60	41.048	- 1 11.1	[59.9]	1 21 . .			. .
41	Sappho	11	30 23.12	+ 0.20	-44.61	29 22 4.98	48.845	+ 33.9	59.1	1 29 38.71		+ 9 30 42.1	. .
42	η Piscium	11	40 43.02	+ 0.20	-44.69	30 12 4.52	45.598	+ 35.1	59.4	1 39 . .			. .
43	Nemausa	11	43 46.17	+ 0.14	-44.61	38 54 4.75	45.131	+ 48.6	59.1	1 43 1.70		- 0 3 34.5	. .
44	β Arietis	11	49 42.58	+ 0.28	-44.53	18 32 3.82	46.461	+ 20.2	58.2	1 48 . .			. .
November 13, B.													
45	α Virginis	11	20 29.81	+ 0.31	-45.13	49 28 2.52	43.470	+ 1 10.5	59.7	13 19 . .			. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
9 17 40	29.820	43.9	46.2	7.	Bisections at D ₃ , D ₂ , D ₁ .	1	+ 5.9	. . .	- 0.1	+ 5.8
9 19 40	29.827	43.9	46.2	9.	Bisections at III, IV, V.	9	+49 30.0	+15 32.4	.	+65 2.4
12 52	30.079	46.0	48.2	15, 24, 26, 34, 42.	Bisections at I, II.	24	+ 7.5	+16 11.8	.	+16 19.3
14 11	30.076	46.5	48.2	16.	Bisections at B ₁ , B ₂ , B ₃ .	25	+ 7.5	-16 11.8	.	-16 4.3
10 20 24	30.044	47.4	49.4	20.	Bisections at I, II, VI.	29	+ 6.0	. . .	- 0.1	+ 5.9
21 30	30.034	47.4	49.4	21, 40.	Bisections at B ₃ , B ₁ .	35	+38 34.2	+14 57.0	.	+53 31.2
1 45	29.970	43.7	45.7	22, 25, 27, 37.	Bisections at VI, VII.	41	+ 4.3	. . .	.	+ 4.3
2 8	29.968	43.4	45.4	23.	Bisection at II.					
12 12 51	29.792	43.8	45.8	35.	Bisections at II, III, IV, V, VI.					
13 15 15	29.762	43.8	45.8	41.	Bisections at II, VI. Z. D. thread B used.					
16 29	29.750	43.9	45.9							
16 56	29.750	43.9	45.9							
17 29	29.748	43.9	45.9							
17 58	29.762	43.9	45.9							
22 33	29.830	43.9	45.9							
23 3	29.846	43.9	45.9							
23 20	29.850	43.9	45.9							
1 0	29.848	43.9	45.9							
1 52	29.850	43.9	45.9							
13 10	30.076	46.0	48.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	α Ursæ Minoris s. p.	8	22 48.38	-13.04	[-45.10]	307 38 1.58	46.228	-1 17.7	[59.4]	1 21 . .	. .		. .
2	η Bootis	9	50 30.63	+0.44	-45.15	19 56 . .	. .	. .	. .	13 49 . .	. .		. .
3	α Bootis	11	11 41.40	+0.45	-45.02	19 8 . .	. .	. .	. .	14 10 . .	. .		. .
4	ρ Bootis	11	28 6.90	+0.51	-45.00	8 2 6.35	44.310	+ 8.5	60.3	14 27 . .	. .		. .
5	ε Bootis	11	41 12.70	+0.49	-44.94	11 20 8.25	46.789	+ 12.1	59.6	14 40 . .	. .		. .
6	Mercury C, C. . . .	6	50 43.09	+0.29	-45.05	54 20 7.85	44.959	+ 1 23.5	60.1	14 49 58.33	0.00	-15 30 8.0	. .
November 14, B.													
7	Sun I, S.	11	21 26.94	+0.28	-45.06	57 36 6.32	45.110	+ 1 34.2	60.1	15 20 42.16	+68.55	-18 46 19.3	. .
8	Sun II, N.	11	23 44.04	+0.28	-45.06	57 4 6.80	43.910	+ 1 32.3	60.1	15 22 59.26	-68.55	-18 13 56.7	. .
9	α Scorpii	11	23 49.06	+0.24	-45.14	65 2 4.72	43.321	+ 2 7.7	61.9	16 23 . .	. .		. .
10	η Herculis	10	40 5.03	+0.57	-45.11	359 44 4.70	45.572	- 0.2	58.9	16 39 . .	. .		. .
11	κ Ophiuchi	11	53 31.15	+0.40	-45.06	29 18 0.80	47.235	+ 33.5	60.5	16 52 . .	. .		. .
12	α Ophiuchi	11	30 52.82	+0.42	-45.07	26 12 4.52	47.231	+ 29.4	60.4	17 30 . .	. .		. .
13	Venus C.	. .	. .	. .	. .	63 48 1.40	44.022	+ 2 0.7	60.1	17 41 . .	. .	-24 58 20.7	. .
14	α Lyrae	11	34 10.32	+0.57	-44.98	0 10 7.50	44.555	+ 0.2	59.6	18 33 . .	. .		. .
15	ε Pegasi	11	39 52.69	+0.42	-45.37	29 26 5.72	46.415	+ 33.8	60.2	21 39 . .	. .		. .
16	α Aquarii	11	1 14.84	+0.39	-45.27	39 40 6.40	43.736	+ 49.8	59.3	22 0 . .	. .		. .
17	θ Aquarii	11	12 9.33	+0.36	-45.31	47 8 0.80	45.152	+ 1 4.7	60.1	22 11 . .	. .		. .
18	B. D. - 19°, 6303	11	30 21.51	+0.32	-45.32	57 46 4.98	47.169	+ 1 35.2	59.9	22 29 36.51	-3.91	-18 56 59.4	-15.4
19	Moon I	9	34 55.07	+0.40	-45.33	39 0 . .	. .	. .	. .	23 34 10.14	+61.15		. .
20	ω Piscium	9	54 47.10	+0.41	-45.32	32 34 4.82	41.658	+ 38.5	60.0	23 54 . .	. .		. .
21	γ Pegasi	10	8 41.67	+0.44	-45.34	24 14 4.70	45.011	+ 27.2	59.6	0 7 . .	. .		. .
22	12 Ceti	11	25 33.05	+0.37	-45.36	43 22 8.50	44.281	+ 57.0	60.0	0 24 . .	. .		. .
23	α Ursæ Minoris . . .	8	22 23.31	+12.04	[-45.35]	310 8 . .	. .	. .	. .	1 21 . .	. .		. .
24	Sappho	8	30 7.32	+0.42	-45.35	29 32 3.28	55.792	+ 34.3	59.9	1 29 22.39	. .	+ 9 21 42.4	. .
November 15, B.													
25	μ Capricorni	11	48 26.88	+0.20	-45.89	52 52 3.60	45.990	+ 1 16.4	61.9	21 47 . .	. .		. .
26	π Aquarii	11	20 46.95	+0.26	-45.80	38 0 10.18	42.221	+ 45.3	60.2	22 20 . .	. .		. .
27	B. D. - 12°, 6302	11	29 56.11	+0.21	-45.83	50 44 2.82	47.581	+ 1 11.0	60.6	22 29 10.49	-3.74	-11 54 40.3	-17.7
28	α Piscis Australis . .	11	52 44.19	+0.13	-45.81	69 0 10.10	41.542	+ 2 30.3	60.2	22 51 . .	. .		. .
29	α Ursæ Majoris s. p.	11	58 8.65	-0.15	[-45.84]	281 14 0.58	45.768	- 4 42.4	[58.2]	10 57 . .	. .		. .
30	ω Piscium	11	54 47.68	+0.28	-45.78	32 34 6.12	41.671	+ 37.2	60.2	23 54 . .	. .		. .
31	Moon I	11	18 22.29	+0.28	-45.85	33 20 . .	. .	. .	. .	0 17 36.72	+61.22		. .
32	β Ceti	11	39 12.23	+0.18	-45.91	57 24 6.00	41.359	+ 1 31.1	60.4	0 38 . .	. .		. .
November 15, La.													
33	α Canum Venat. . . .	11	51 57.76	+0.37	-46.17	359 58 4.98	47.868	0.0	58.9	12 51 . .	. .		. .
34	α Virginis	11	20 31.13	+0.10	-46.20	49 28 1.42	43.611	+ 1 8.4	59.0	13 19 . .	. .		. .
35	α Ursæ Minoris s. p.	6	22 46.70	-11.19	[-46.18]	307 38 7.30	45.912	- 1 15.5	[58.8]	1 21 . .	. .		. .
36	η Ursæ Majoris . . .	11	44 13.52	+0.46	[-46.11]	349 2 6.35	44.820	- 11.2	[59.4]	13 43 . .	. .		. .
37	α Bootis	11	11 42.84	+0.25	-46.23	19 8 5.32	44.550	+ 20.2	59.1	14 10 . .	. .		. .
November 16, La.													
38	Sun I, N.	11	29 43.56	+0.06	-46.28	57 34 7.40	43.990	+ 1 29.7	60.0	15 28 57.34	+68.72	-18 43 54.5	. .
39	Sun II, S.	11	32 1.01	+0.06	-46.28	58 6 7.30	45.188	+ 1 31.5	60.0	15 31 14.79	-68.73	-19 16 21.0	. .
40	κ Ophiuchi	11	53 32.67	+0.20	-46.38	29 18 7.90	46.965	+ 31.7	60.4	16 52 . .	. .		. .
41	α Ophiuchi	11	30 54.29	+0.22	-46.35	26 12 8.12	47.165	+ 27.8	60.8	17 30 . .	. .		. .
42	Venus I, C.	6	53 20.53	+0.03	-46.36	63 54 8.75	47.930	+ 1 54.5	61.2	17 52 34.20	+0.46	-25 5 37.0	. .
43	Venus II	5	53 21.30	+0.03	-46.36		. .	. .	. .	17 52 34.97	-0.31		. .
44	η Serpentis	11	16 44.19	+0.14	-46.37	41 46 7.92	44.999	+ 50.3	61.9	18 15 . .	. .		. .
45	α Lyrae	11	34 11.85	+0.37	-46.34	0 10 9.95	44.568	+ 0.2	61.4	18 33 . .	. .		. .
46	α Aquarii	11	1 16.25	+0.18	-46.49	39 40 8.48	43.828	+ 47.5	60.8	22 0 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	' "
13 14 0	30.072	38.2	36.5	I. Bisections at C ₃ , C ₂ , C ₁ .				6	+	5.2	0.0	+	5.2
14 15 35	30.068	39.0	37.4	7. 38. Bisection at II.				7	+	7.5	. .	+	16 18.8
15 16 23	30.059	39.9	38.5	8, 24, 39, 42. Bisections at VI, VII.				8	+	7.5	+16 11.3	. .	+16 3.8
16 17 30	30.038	41.0	39.9	14, 15. Bisections at II, VI, VII.				13	+	6.0	-16 11.3	-	5.9
17 18 40	30.044	42.1	40.3	24. Z. D. thread C used.				24	+	4.4	. .	+	4.4
18 19 50	30.046	43.0	41.3	35. Bisections at D ₃ , D ₂ , D ₁ .				38	+	7.5	-16 13.2	. .	-16 5.7
20 21 50	30.048	39.0	37.9					39	+	7.6	+16 13.2	. .	+16 20.8
22 23 40	30.052	38.5	36.4					42	+	6.1	. .	-	6.0
23 24 40	30.046	37.0	35.4										
25 26 40	30.046	36.0	34.0										
27 28 0	29.960	54.5	53.2										
29 30 45	29.958	52.8	51.7										
31 32 45	29.972	51.5	50.8										
33 34 30	29.972	50.0	49.4										
35 36 35	30.059	52.9	50.5										
37 38 32	30.046	59.8	62.1										
39 40 58	30.038	64.7	67.8										
41 42 53	30.043	67.9	69.1										
43 44 37	30.047	69.1	68.7										
45 46 1	30.041	60.8	60.2										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	♂ Aquarii	11	12 10.81	+ 0.16	-46.62	47 8 2.60	45.249	+ 1 1.7	60.7	22 11 . .	. .		. .
2	π Aquarii	11	20 47.77	+ 0.18	-46.55	38 0 8.48	42.375	+ 44.8	60.9	22 20 . .	. .		. .
3	B. D. — 19°, 6303. . .	5	30 22.84	+ 0.14	-46.52	57 46 3.98	47.501	+ 1 30.8	60.7	22 29 36.46	- 3.87	- 18 56 59.5	-15.2
4	α Pegasi	11	0 24.51	+ 0.20	-46.42	24 12 4.45	43.949	+ 25.8	60.7	22 59 . .	. .		. .
5	12 Ceti	11	25 34.45	+ 0.17	-46.58	43 22 3.95	44.726	+ 54.4	61.2	0 24 . .	. .		. .
6	ε Piscium	11	58 23.32	+ 0.19	-46.54	31 30 6.02	46.241	+ 35.4	60.6	0 57 . .	. .		. .
7	Moon I, S.	11	2 32.45	+ 0.20	-46.55	28 10 6.05	44.313	+ 30.9	60.7	1 1 46.10	+ 62.04	+ 10 40 59.2	. .
8	α Ursæ Minoris. . . .	5	22 28.84	+ 6.84	[-46.55]	310 8 4.55	40.790	- 1 8.2	[59.6]	1 21 . .	. .		. .
9	o Piscium	11	40 44.85	+ 0.19	-46.51	30 12 3.58	45.676	+ 33.7	60.0	1 39 . .	. .		. .
10	ξ ² Ceti	11	23 28.73	+ 0.19	-46.59	30 50 5.60	46.979	+ 34.6	60.9	2 22 . .	. .		. .
November 16, K.													
11	α Canum Venat. . . .	11	51 58.33	+ 0.27	-46.61	359 58 4.92	47.955	. 0.0	60.2	12 51 . .	. .		. .
12	α Virginis	9	20 31.71	+ 0.06	-46.71	49 28 4.15	43.482	+ 1 7.8	59.9	13 19 . .	. .		. .
13	α Ursæ Minoris S. P.	7	22 44.27	+ 8.63	[-46.70]	307 38 6.35	46.040	- 1 14.8	[61.3]	1 21 . .	. .		. .
14	η Bootis	11	50 32.56	+ 0.17	-46.76	19 56 7.20	45.345	+ 21.0	59.9	13 49 . .	. .		. .
15	α Bootis	11	11 43.49	+ 0.18	-46.79	19 8 7.40	44.552	+ 20.0	60.7	14 10 . .	. .		. .
16	Mercury C, C. . . .	11	9 36.32	+ 0.03	-46.80	56 0 7.30	48.611	+ 1 24.4	61.6	15 8 49.55	0.00	- 17 11 16.9	. .
November 17, K.													
17	Sun I, N.	11	33 52.77	+ 0.02	-46.82	57 48 6.45	45.700	+ 1 29.8	61.9	15 33 5.97	+ 68.87	- 18 58 24.2	. .
18	Sun II, S.	11	36 10.51	+ 0.02	-46.82	58 20 7.80	46.673	+ 1 31.6	61.9	15 35 23.71	- 68.87	- 19 30 48.2	. .
19	α Scorpii	11	23 51.11	+ 0.01	-46.93	65 2 7.55	43.691	+ 1 59.5	63.8	16 23 . .	. .		. .
20	α Herculis	11	10 42.66	+ 0.16	-46.84	24 20 4.70	46.469	+ 25.3	63.1	17 9 . .	. .		. .
21	α Ophiuchi	11	30 54.92	+ 0.15	-46.91	26 12 6.25	47.382	+ 27.5	62.6	17 30 . .	. .		. .
22	Venus I, C.	5	58 45.66	+ 0.01	-46.95	63 58 5.88	43.725	+ 1 53.5	64.0	17 57 58.70	+ 0.51	- 25 8 8.4	. .
23	Venus II.	6	58 46.50	+ 0.01	-46.95				. .	17 57 59.54	- 0.33		. .
24	γ ² Sagittarii.	9	59 57.42	+ 0.04	-46.96	69 14 . .			. .	17 59 . .	. .		. .
25	α Ursæ Minoris. . . .	6	21 37.70	+ 10.13	[+ 0.93]	310 8 1.45	40.914	- 1 7.5	[61.0]	1 21 . .	. .		. .
26	η Piscium	11	25 58.45	+ 0.07	+ 0.95	24 2 4.65	44.342	+ 25.5	60.2	1 25 . .	. .		. .
27	o Piscium	11	39 57.57	+ 0.04	+ 0.92	30 12 2.20	45.821	+ 33.3	60.9	1 39 . .	. .		. .
28	Moon I, S.	11	47 36.25	+ 0.08	+ 0.92	23 10 1.32	45.773	+ 24.5	60.4	1 47 37.25	+ 63.48	+ 15 40 42.0	. .
29	α Arietis	11	1 22.26	+ 0.11	+ 0.93	15 52 2.85	46.004	+ 16.3	60.3	2 1 . .	. .		. .
30	ξ ² Ceti	11	7 32.85	+ 0.04	+ 0.88	30 28 1.12	47.541	+ 33.7	60.4	2 7 . .	. .		. .
November 17, P.													
31	ε Bootis	8	40 27.52	+ 0.06	+ 0.72	11 20 11.40	46.688	+ 11.4	60.5	14 40 . .	. .		. .
32	β Ursæ Minoris. . . .	9	50 55.38	+ 0.56	[+ 0.75]	324 16 . .			. .	14 50 . .	. .		. .
33	β Bootis	11	58 1.88	+ 0.13	+ 0.73	358 2 3.80	50.012	- 1.9	59.1	14 58 . .	. .		. .
34	Mercury C, C. . . .	11	15 9.21	- 0.13	+ 0.71	56 34 5.72	42.992	+ 1 25.3	61.4	15 15 9.79	0.00	- 17 43 28.6	. .
November 18, P.													
35	Sun I, N.	11	37 15.21	- 0.14	+ 0.69	58 2 8.78	46.022	+ 1 30.0	61.4	15 37 15.76	+ 68.91	- 19 12 33.4	. .
36	Sun II, S.	11	39 33.03	- 0.14	+ 0.69	58 34 6.92	47.088	+ 1 31.8	61.4	15 39 33.58	- 68.91	- 19 44 55.9	. .
37	α Herculis	6	9 55.40	+ 0.01	+ 0.57	24 20 12.15	45.970	+ 25.2	62.1	17 9 . .	. .		. .
38	α Ophiuchi	11	30 7.55	0.00	+ 0.61	26 12 7.08	47.362	+ 27.5	63.0	17 30 . .	. .		. .
39	Venus I	11	3 22.96	+ 0.17	+ 0.59	64 0 . .			. .	18 3 23.38	+ 0.48		. .
40	δ Ursæ Minoris. . . .	5	5 7.55	+ 2.48	[+ 0.46]	312 16 . .			. .	18 5 . .	. .		. .
41	η Serpentis.	11	15 57.37	- 0.06	+ 0.64	41 46 4.95	45.218	+ 49.7	62.3	18 15 . .	. .		. .
42	α Ursæ Minoris. . . .	11	21 40.59	+ 7.22	[+ 0.60]	310 6 . .			. .	1 21 . .	. .		. .
43	α Arietis	11	1 22.62	+ 0.06	+ 0.62	15 52 1.52	46.094	+ 16.3	60.8	2 1 . .	. .		. .
44	ξ ² Ceti	11	7 33.15	0.00	+ 0.62	30 27 58.55	47.692	+ 33.7	60.7	2 7 . .	. .		. .
45	ξ ² Ceti	11	22 41.72	0.00	+ 0.62	30 50 1.05	47.255	+ 34.2	61.1	2 22 . .	. .		. .
46	Moon I, N.	11	35 58.39	+ 0.05	+ 0.62	18 20 2.00	40.772	+ 19.0	60.9	2 35 59.06	+ 65.37	+ 20 32 23.3	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for. Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
16 22 40	30.040	60.1	59.2	7, 46.	Bisections at III, IV, V.	7	+ 25 21.7	+ 14 44.8	. .	+ 40 6.5
1 14	30.035	56.9	55.8	8.	Bisections at C ₁ , C ₂ , C ₃ .	16	+ 5.2	. .	0.0	+ 5.2
2 15	30.022	55.9	54.3	12, 31.	Bisections at VI, VII.	17	+ 7.6	- 16 12.0	. .	- 16 4.4
12 54	30.056	53.0	51.6	13.	Bisections at D ₁ , D ₂ , C ₅ .	18	+ 7.6	+ 16 12.0	. .	+ 16 19.6
13 27	30.056	56.5	54.2	17, 35.	Bisections at I, II.	22	+ 6.1	. .	0.1	+ 6.0
14 7	30.062	59.6	57.2	18, 36, 37.	Bisections at VI, VII.	28	+ 21 7.8	+ 14 45.2	. .	+ 35 53.0
15 6	30.046	63.0	62.6	25.	Bisections at B ₁ , B ₂ , C ₁ , C ₃ .	34	+ 5.2	. .	0.0	+ 5.2
16 23	30.022	68.5	72.3	28.	Bisections at II, III, IV, V, VI.	35	+ 7.6	- 16 11.2	. .	- 16 3.6
17 10	30.020	72.3	73.3			36	+ 7.6	+ 16 11.3	. .	+ 16 18.9
17 33	30.018	72.8	73.9			46	+ 16 53.3	- 14 47.3	. .	+ 2 6.0
18 10	30.014	73.8	74.4							
1 20	30.012	61.5	60.4							
2 12	30.000	60.0	59.3							
14 58	29.996	65.5	65.3							
15 39	29.974	67.8	68.3							
17 9	29.924	72.5	71.8							
18 15	29.924	74.5	72.9							
2 1	29.862	58.5	57.5							
2 35	29.864	58.0	57.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instrument.								
	November 23, B.		m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Ophiuchi	11	30 7.65	+ 0.45	+ 0.06	26 12 4.82	47.136	+ 29.3	57.3	17 30 . . .		. . .
2	μ Herculis	11	42 23.83	+ 0.54	+ 0.11	11 4 6.08	45.570	+ 11.7	58.2	17 42 . . .		. . .
3	Venus I, C.	6	30 24.58	+ 0.27	+ 0.02	63 56 4.90	47.244	+ 2 0.9	58.2	18 30 24.87	+ 0.49	- 25 7 28.0
4	α Lyrae	9	33 25.01	+ 0.62	+ 0.16	0 10 7.02	44.575	+ 0.2	58.5	18 33 . . .		. . .
5	δ Cephei s. p.	6	52 47.33	- 6.13	[0.00]	306 6 5.80	42.020	- 1 20.8	[57.4]	6 52 . . .		. . .
6	δ Aquilæ	11	20 17.32	+ 0.40	- 0.15	35 56 . . .	. . .	. . .	. . .	19 20 . . .		. . .
7	α Aquilæ	11	45 44.55	+ 0.43	- 0.08	30 14 2.98	47.874	+ 34.5	58.1	19 45 . . .		. . .
	November 23, S.											
8	η Ursæ Majoris	11	43 27.63	+ 0.55	[- 0.12]	349 2 3.32	45.025	- 11.3	[56.8]	13 43 . . .		. . .
9	α Bootis	11	10 56.91	+ 0.39	- 0.30	19 8 6.25	44.561	+ 20.4	58.1	14 10 . . .		. . .
10	ϵ Bootis	11	40 28.29	+ 0.42	- 0.32	11 20 8.40	46.846	+ 11.8	57.7	14 40 . . .		. . .
	November 24, S.											
11	Sun I, S.	11	2 30.13	+ 0.25	- 0.32	59 52 4.98	44.578	+ 1 39.2	58.8	16 2 30.06	+ 69.74	- 21 2 13.6
12	Sun II, N.	11	4 49.60	+ 0.25	- 0.32	59 20 9.88	42.912	+ 1 37.0	58.8	16 4 49.53	- 69.73	- 20 29 46.7
13	μ Herculis	11	42 24.33	+ 0.42	- 0.27	11 4 9.78	45.462	+ 11.2	58.8	17 42 . . .		. . .
14	δ Ursæ Minoris	10	5 5.50	+ 3.51	[- 0.30]	312 16 6.90	43.280	- 1 2.5	[58.1]	18 5 . . .		. . .
15	η Serpentis	. . .	. . .	. . .	. . .	41 46 7.80	44.865	+ 51.0	59.3	18 15 . . .		. . .
16	α Lyrae	11	33 25.64	+ 0.48	- 0.34	0 10 10.25	44.620	+ 0.2	59.5	18 33 . . .		. . .
17	Venus I, C.	6	35 48.65	+ 0.23	- 0.33	63 54 8.40	45.135	+ 1 56.0	58.8	18 35 48.55	+ 0.44	- 25 4 45.6
18	Venus II	5	35 49.36	+ 0.23	- 0.33		. . .	. . .	. . .	18 35 49.26	- 0.27	
19	β Lyrae	11	46 15.35	+ 0.45	- 0.30	5 36 . . .	. . .	. . .	. . .	18 46 . . .		. . .
20	ϵ Aquilæ	11	0 39.80	+ 0.37	- 0.42	25 8 4.50	45.648	+ 26.8	59.7	19 0 . . .		. . .
	November 25, P.											
21	Sun S.	. . .	. . .	. . .	. . .	60 2 4.12	49.478	+ 1 40.3	60.5	16 7 . . .		. . .
22	Sun N.	. . .	. . .	. . .	. . .	59 30 6.78	47.950	+ 1 38.1	60.5		- 21 13 46.1	. . .
23	δ Ursæ Minoris	6	5 5.93	+ 3.31	[- 0.81]	312 16 . . .	. . .	. . .	. . .		- 20 41 19.6	. . .
24	η Serpentis	11	15 58.66	+ 0.12	- 0.85	41 46 7.20	44.994	+ 51.0	61.0	18 15 . . .		. . .
25	α Lyrae	11	33 26.13	+ 0.31	- 0.67	0 10 5.58	44.831	+ 0.2	60.0	18 33 . . .		. . .
26	Venus I, C.	11	41 12.40	+ 0.01	- 0.81	63 50 7.98	46.754	+ 1 55.6	60.5	18 41 11.60	+ 0.50	- 25 1 14.1
27	σ Sagittarii	11	48 52.84	0.00	- 0.92	65 14 4.20	47.716	+ 2 3.0	60.5	18 48 . . .		. . .
28	θ Aquarii	11	11 25.02	+ 0.05	- 0.83	47 8 3.60	45.080	+ 1 1.9	59.3	22 11 . . .		. . .
29	π Aquarii	11	20 1.99	+ 0.09	- 0.79	38 0 7.15	42.374	+ 45.0	59.3	22 20 . . .		. . .
30	B. D.—12°, 6302	11	29 11.19	+ 0.03	- 0.81	50 44 2.95	47.609	+ 1 10.4	59.3	22 29 10.41	- 3.63	- 11 54 41.6
31	226 B. Cephei	5	30 26.30	+ 1.06	[- 0.82]	323 10 . . .	. . .	. . .	. . .	22 30 . . .		- 17.2
	November 30, B.											
32	α Ursæ Minoris	7	21 19.81	+ 22.94	[- 0.84]	310 6 2.02	47.035	- 1 12.7	[59.9]	1 21 . . .		. . .
33	ϵ Ceti	11	22 42.88	+ 0.25	- 0.78	30 50 5.75	46.754	+ 36.8	58.3	2 22 . . .		. . .
34	γ Ceti	11	37 59.95	+ 0.20	- 0.86	36 2 4.22	45.892	+ 44.9	59.4	2 37 . . .		. . .
35	ϵ Tauri	11	22 38.46	+ 0.34	- 0.92	19 54 0.35	44.055	+ 22.4	59.5	4 22 . . .		. . .
36	ι Aurigæ	11	50 19.45	+ 0.49	- 0.83	5 50 10.78	47.345	+ 6.4	59.6	4 50 . . .		. . .
37	Neptune C, C.	11	13 20.42	+ 0.37	- 0.89	17 16 3.58	47.359	+ 19.3	59.2	5 13 19.90		+ 21 34 13.2
38	Mars I, S.	6	31 35.53	+ 0.41	- 0.90	13 20 7.75	47.110	+ 14.7	59.2	5 31 35.04	+ 0.67	+ 25 30 18.2
39	Mars II, N.	5	31 36.88	+ 0.41	- 0.90	13 20 7.75	46.242	+ 14.7	59.2	5 31 36.39	- 0.68	+ 25 30 35.1
	November 30, P.											
40	ϵ Bootis	11	40 29.38	+ 0.69	- 1.54	11 20 7.25	46.980	+ 12.5	58.2	14 40 . . .		. . .
41	β Ursæ Minoris	11	50 57.09	+ 1.40	[- 1.50]	324 18 . . .	. . .	. . .	. . .	14 50 . . .		. . .
42	β Bootis	11	58 3.64	+ 0.76	- 1.46	358 4 6.12	43.838	- 2.0	58.4	14 58 . . .		. . .
43	α Coronæ Borealis	9	30 19.48	+ 0.68	- 1.54	11 48 3.95	43.310	+ 13.0	57.5	15 30 . . .		. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
23 17 0	30.402	44.8	46.1	4, 12, 22, 43.	Bisections at VI, VII.	3	+	6.3	0.0	+ 6.3
18 15	30.382	49.4	48.2	5.	Bisections at C ₃ , C ₆ , C ₁ .	11	+	7.7	. . .	+ 16 21.1
19 15	30.374	50.5	49.2	8.	Bisections at I, II, VI.	12	+	7.7	. . .	+ 16 5.8
20 0	30.366	50.0	49.2	11, 16, 21.	Bisections at I, II.	17	+	6.3	0.0	+ 6.3
13 43	30.228	51.6	50.5	13.	Bisections at I, II, VII.	21	+	7.8	. . .	+ 16 21.0
16 4	30.202	59.0	59.2	14.	Bisections at C ₁ , C ₃ , C ₆ .	22	+	7.7	. . .	+ 16 5.5
17 42	30.195	63.4	64.2	28.	Bisections at V, VI, VII.	26	+	6.3	0.0	+ 6.3
19 0	30.200	66.0	65.2	32.	Bisections at D ₁ , D ₂ .	37	+	0.1	. . .	+ 0.1
18 15	30.210	65.0	64.4	38.	Bisections at I, VII.	38	+	3.6	. . .	+ 12.0
18 48	30.202	66.0	65.5	39.	Bisections at II, VI.	39	+	3.6	. . .	4.9
22 11	30.190	61.0	60.4	40.	Bisections at II, VI, VII.					
22 29	30.188	60.5	59.7							
1 50	30.130	28.5	26.5							
2 50	30.130	27.8	26.0							
4 20	. . .	27.0	25.0							
5 0	30.124	26.0	24.5							
14 40	30.225	27.0	24.2							
15 30	30.202	28.0	26.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	December 1, P.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, N.	11	32 32.73	+ 0.52	- 1.53	60 32 3.75	44.200	+ 1 48.9	58.2	16 32 31.72	+ 70.26	- 21 42 15.4	..
2	Sun II, S.	11	34 53.24	+ 0.52	- 1.53	61 4 4.75	45.350	+ 1 51.3	58.2	16 34 52.23	- 70.25	- 22 14 43.3	..
3	α Lyrae	11	33 26.53	+ 0.75	- 1.56	0 10 4.48	44.873	+ 0.2	58.8	18 33 . . .	..	..	..
	December 2, S.												
4	ε Bootis	11	40 29.98	+ 0.69	- 2.10	11 20 7.92	46.978	+ 1 12.5	57.7	14 40 . . .	..	..	..
5	α² Librae	11	45 11.73	+ 0.49	- 2.31	54 26 6.75	46.868	+ 1 26.4	57.9	14 45 . . .	..	..	..
6	β Ursae Minoris	11	50 57.72	+ 1.66	- 2.32	324 18 3.72	43.985	- 44.2	[57.5]	14 50 . . .	..	..	..
7	β Bootis	11	58 4.24	+ 0.79	- 2.05	358 4 5.78	43.876	- 2.0	58.1	14 58 . . .	..	..	..
8	β Librae	11	11 28.72	+ 0.52	- 2.28	47 50 9.55	45.783	+ 1 8.2	58.2	15 11 . . .	..	..	..
	December 3, S.												
9	Sun I, N.	11	41 14.10	+ 0.46	- 2.23	60 48 5.60	47.050	+ 1 49.8	58.3	16 41 12.33	+ 70.57	- 21 59 12.7	..
10	Sun II, S.	11	43 35.25	+ 0.46	- 2.23	61 20 8.70	48.328	+ 1 52.2	58.3	16 43 33.48	- 70.58	- 22 31 45.1	..
11	δ Ursae Minoris	9	5 2.97	+ 5.92	- 2.21	312 16 3.22	43.807	- 1 7.0	[57.4]	18 5 . . .	..	..	..
12	η Serpentis	11	15 59.62	+ 0.55	- 2.22	41 46 6.12	44.806	+ 54.7	59.2	18 15 . . .	..	..	..
13	ζ Lyrae	11	33 27.14	+ 0.78	- 2.21	0 10 7.80	44.764	+ 0.2	58.9	18 33 . . .	..	..	..
14	β Lyrae	11	46 16.89	+ 0.73	- 2.18	5 36 4.90	46.710	+ 6.1	58.5	18 46 . . .	..	..	..
15	ζ Aquilae	11	0 41.34	+ 0.62	- 2.25	25 8 5.65	45.466	+ 28.7	57.9	19 0 . . .	..	..	..
16	δ Aquilae	11	20 19.36	+ 0.57	- 2.31	35 56 9.08	44.845	+ 44.3	58.7	19 20 . . .	..	..	..
17	Venus I, C.	6	23 55.03	+ 0.46	- 2.23	62 56 5.98	45.318	+ 1 59.2	58.3	19 23 53.26	+ 0.57	- 24 6 50.4	..
18	Venus II	5	23 55.94	+ 0.46	- 2.23	..	..	..	..	19 23 54.17	- 0.34	..	..
19	θ Aquarii	11	11 26.05	+ 0.55	- 2.42	47 8 4.75	44.788	+ 1 6.0	57.4	22 11 . . .	..	..	..
20	π Aquarii	11	20 3.07	+ 0.56	- 2.43	38 0 9.98	41.995	+ 47.9	57.3	22 20 . . .	..	..	..
21	B. D.—19°, 6303	11	29 38.05	+ 0.49	- 2.43	57 46 3.88	47.015	+ 1 37.1	57.6	22 29 36.11	- 3.65	- 18 56 59.5	- 14.2
22	ζ Pegasi	11	36 21.52	+ 0.60	- 2.41	28 34 5.22	41.758	+ 33.4	57.5	22 36 . . .	..	..	..
23	λ Aquarii	11	47 16.85	+ 0.53	- 2.47	46 58 4.70	44.421	+ 1 5.7	57.4	22 47 . . .	..	..	..
24	α Ursae Minoris	5	21 27.61	+ 15.20	- 2.53	310 6 4.12	46.928	- 1 12.8	[57.7]	1 21 . . .	..	..	..
25	β Arietis	11	49 0.08	+ 0.66	- 2.53	18 32 5.58	46.286	+ 20.7	57.8	1 48 . . .	..	..	..
26	γ Tauri	11	13 59.51	+ 0.63	- 2.50	23 28 4.48	44.726	+ 26.9	58.0	4 13 . . .	..	..	..
27	ε Tauri	11	22 39.75	+ 0.65	- 2.48	19 54 5.48	43.708	+ 22.4	58.0	4 22 . . .	..	..	..
28	α Tauri	11	30 4.25	+ 0.63	- 2.50	22 32 5.65	46.628	+ 25.7	57.9	4 30 . . .	..	..	..
29	11 Orionis	11	58 44.72	+ 0.63	- 2.54	23 34 7.25	48.039	+ 27.1	57.7	4 58 . . .	..	..	..
30	Neptune C, C.	11	13 0.15	+ 0.66	- 2.50	17 16 6.08	48.429	+ 19.3	57.6	5 12 58.31	..	+ 21 33 48.6	..
31	β Tauri	11	19 50.58	+ 0.70	- 2.46	10 20 9.02	43.836	+ 11.3	57.2	5 19 . . .	..	..	..
32	Mars I, S.	6	26 37.93	+ 0.68	- 2.50	13 16 4.70	46.475	+ 14.7	57.6	5 26 36.11	+ 0.62	+ 25 34 32.1	..
33	Mars II, N.	5	26 39.18	+ 0.68	- 2.50	13 16 4.70	45.502	+ 14.6	57.6	5 26 37.36	- 0.63	+ 25 34 50.6	..
	December 4, K.												
34	ι Aurigae	11	50 21.22	+ 0.80	- 2.85	5 50 4.65	47.534	+ 6.3	56.9	4 50 . . .	..	..	..
35	ε Ursae Minoris S. P.	11	56 25.61	- 1.58	- 2.87	301 6 11.90	42.157	- 1 40.4	[56.9]	16 56 . . .	..	..	..
36	β Orionis	11	9 39.23	+ 0.62	- 2.83	47 10 5.22	42.642	+ 1 5.7	58.0	5 9 . . .	..	..	..
37	Neptune C, C.	11	12 53.25	+ 0.74	- 2.88	17 18 6.25	42.538	+ 19.0	57.5	5 12 51.11	..	+ 21 33 41.6	..
38	β Tauri	11	19 50.97	+ 0.77	- 2.90	10 20 4.40	44.079	+ 11.2	57.1	5 19 . . .	..	..	..
39	Mars I, S.	5	24 56.05	+ 0.76	- 2.88	13 16 6.18	42.832	+ 14.4	57.5	5 24 53.93	+ 0.81	+ 25 35 40.5	..
40	Mars II, N.	5	24 57.68	+ 0.76	- 2.88	13 16 6.18	41.822	+ 14.4	57.5	5 24 55.56	- 0.82	+ 25 36 0.0	..
41	ε Orionis	11	31 3.24	+ 0.65	- 2.92	40 6 6.75	45.894	+ 51.4	58.1	5 31 . . .	..	..	..
	December 4, P.												
42	α Coronae Borealis	11	30 21.21	+ 0.73	- 3.25	11 48 7.18	43.260	+ 12.5	57.2	15 30 . . .	..	..	..
	December 5, P.												
43	Sun I, S.	11	49 58.34	+ 0.60	- 3.32	61 36 9.00	46.148	+ 1 48.2	58.5	16 49 55.62	+ 70.60	- 22 46 56.9	..
44	Sun II, N.	11	52 19.55	+ 0.60	- 3.32	61 4 5.08	44.808	+ 1 46.0	58.5	16 52 16.83	- 70.61	- 22 14 27.6	..
45	Venus I, C.	11	34 28.07	+ 0.60	- 3.46	62 36 10.28	43.165	+ 1 51.5	58.5	19 34 25.21	+ 0.52	- 23 46 5.5	..

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
1	16	34	30.181	28.4	26.5	1, 9, 16, 43.	Bisections at I, II.	1	+	7.8	- 16 13.9	- 16 6.1
2	14	50	30.050	26.3	23.4	2, 5, 10, 44.	Bisections at VI, VII.	2	+	7.8	+ 16 14.0	+ 16 21.8
3	15	52	30.048	27.6	24.6	3, 8, 42.	Bisections at II, VI, VII.	9	+	7.8	- 16 16.1	- 16 8.3
4	16	43	30.042	29.5	25.8	6, 35.	Bisections at III, IV, V.	10	+	7.9	+ 16 16.2	+ 16 24.1
5	18	15	30.028	29.4	27.8	11, 24.	Bisections at C ₁ , C ₃ , C ₅ .	17	+	6.5	..	+ 6.6
6	19	23	30.031	31.3	28.6	32, 40.	Bisections at II, VI.	30	+	0.1	..	+ 0.1
7	22	11	30.060	28.9	27.5	33, 39.	Bisections at I, VII.	32	+	3.6	+ 9.2	+ 12.8
8	22	47	30.068	27.8	27.3	34.	Bisections at I, II, VII.	33	+	3.6	- 9.3	- 5.7
9	1	35	30.090	26.0	25.5			37	+	0.1	..	+ 0.1
10	4	13	30.097	23.6	23.9			39	+	3.6	+ 9.7	+ 13.3
11	4	58	30.097	23.4	23.6			40	+	3.6	+ 9.8	+ 6.2
12	5	26	30.094	23.0	23.7			43	+	7.9	+ 16 14.6	+ 16 22.5
13	4	48	29.854	28.7	26.7			44	+	7.8	- 16 14.6	- 16 6.8
14	5	34	29.838	27.5	26.5			45	+	6.6	..	+ 6.8
15	5	30	29.930	39.0	36.8							
16	5	52	29.916	45.6	46.2							
17	19	34	29.898	52.0	51.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			m	s	s	s								
1	γ Aquilæ	11	41	23.88	+ 0.68	- 3.48	28 30 9.70	41.648	+ 31.5	58.8	19 41 . . .	.	.	.
2	α Aquilæ	11	45	47.61	+ 0.67	- 3.46	30 14 6.05	47.845	+ 33.9	58.6	19 45 . . .	.	.	.
3	β Aquilæ	11	50	17.42	+ 0.66	- 3.46	32 42 5.60	44.005	+ 37.3	59.3	19 50 . . .	.	.	.
4	ϵ Ursæ Minoris S. P.	5	56	25.72	- 1.03	[- 3.56]	301 6 . . .	.	.	.	16 56 . . .	.	.	.
5	Neptune C. C.	11	12	46.80	+ 0.64	- 3.56	17 18 1.92	43.221	+ 18.6	57.0	5 12 43.88	.	+ 21 33 32.7	.
6	β Tauri	11	19	51.76	+ 0.67	- 3.57	10 20 4.42	44.074	+ 10.9	56.7	5 19 . . .	.	.	.
7	Mars I, N.	6	23	14.15	+ 0.66	- 3.56	13 14 2.52	45.208	+ 14.1	57.0	5 23 11.25	+ 0.60	+ 25 36 58.3	.
8	Mars II, S.	5	23	15.36	+ 0.66	- 3.56	13 14 2.52	46.095	+ 14.1	57.0	5 23 12.46	- 0.61	+ 25 36 41.5	.
9	ϵ Orionis	8	31	3.98	+ 0.56	- 3.56	40 6 3.28	46.073	+ 50.2	57.2	5 31 . . .	.	.	.
December 6, I.a.														
10	α Bootis	11	11	0.42	+ 0.54	- 3.65	19 8 3.48	44.906	+ 20.7	58.8	14 10 . . .	.	.	.
11	α Coronæ Borealis	11	30	21.81	+ 0.57	- 3.66	11 48 5.72	43.502	+ 12.3	59.2	15 30 . . .	.	.	.
12	α Serpentis	11	39	14.06	+ 0.49	- 3.70	32 6 5.58	44.294	+ 36.8	59.8	15 39 . . .	.	.	.
13	ϵ Serpentis	9	45	43.27	+ 0.49	- 3.71	34 2 6.82	49.480	+ 39.6	59.5	15 45 . . .	.	.	.
14	α Scorpii	11	23	7.80	+ 0.37	- 3.73	65 2 4.90	43.379	+ 2 4.0	60.0	16 23 . . .	.	.	.
December 7, I.a.														
15	Sun I, N.	11	58	44.33	+ 0.38	- 3.69	61 18 2.65	43.585	+ 1 44.9	59.4	16 58 41.02	+ 70.74	- 22 27 57.6	.
16	Sun II, S.	8	1	5.81	+ 0.38	- 3.69	61 50 6.25	44.715	+ 1 47.3	59.4	17 1 2.50	- 70.74	- 23 0 27.4	.
17	γ Draconis	11	54	13.85	+ 0.73	[- 3.62]	347 22 7.88	43.056	+ 12.8	[57.6]	17 54 . . .	.	.	.
18	α Lyrae	11	33	28.72	+ 0.63	- 3.65	0 10 6.95	44.876	+ 0.2	59.2	18 33 . . .	.	.	.
19	β Lyrae	11	46	18.52	+ 0.60	- 3.70	5 36 6.45	46.770	+ 5.7	59.8	18 46 . . .	.	.	.
20	ζ Aquilæ	11	0	42.93	+ 0.52	- 3.75	25 8 3.55	45.780	+ 26.7	59.1	19 0 . . .	.	.	.
21	Venus I, C.	6	44	55.93	+ 0.38	- 3.70	62 12 2.78	45.295	+ 1 47.4	59.4	19 44 52.61	+ 0.52	- 23 22 33.9	.
22	Venus II	5	44	56.74	+ 0.38	- 3.70	.	.	.	.	19 44 53.42	- 0.29	.	.
23	ν Cygni	11	53	22.12	+ 0.65	- 3.71	358 6 4.12	41.596	- 1.8	58.9	20 53 . . .	.	.	.
24	α Ursæ Minoris	4	21	32.10	+ 9.45	[- 3.76]	310 6 2.68	46.693	- 1 8.2	[58.9]	1 21 . . .	.	.	.
25	ζ Arietis	11	9	3.76	+ 0.55	- 3.87	18 12 0.75	42.020	+ 19.1	58.1	3 9 . . .	.	.	.
26	γ Tauri	11	14	1.04	+ 0.53	- 3.89	23 27 59.25	45.135	+ 25.3	58.9	4 13 . . .	.	.	.
27	ϵ Tauri	11	22	41.17	+ 0.55	- 3.77	19 53 59.22	44.136	+ 21.1	58.5	4 22 . . .	.	.	.
28	ι Aurigæ	11	50	22.36	+ 0.60	- 3.75	5 50 3.12	47.649	+ 6.0	57.8	4 50 . . .	.	.	.
29	ι Orionis	11	58	46.15	+ 0.53	- 3.82	23 33 58.40	48.626	+ 25.4	58.3	4 58 . . .	.	.	.
30	Neptune C. C.	11	12	32.67	+ 0.56	- 3.83	17 18 1.18	44.172	+ 18.2	58.5	5 12 29.40	.	+ 21 33 17.1	.
31	Mars I, N.	6	19	46.72	+ 0.57	- 3.84	13 12 1.62	46.672	+ 13.7	58.5	5 19 43.45	+ 0.70	+ 25 38 33.1	.
32	Mars II, S.	5	19	48.12	+ 0.57	- 3.84	13 12 1.62	47.660	+ 13.7	58.5	5 19 44.85	- 0.70	+ 25 38 14.3	.
33	α Orionis	11	49	40.93	+ 0.51	- 3.88	31 27 59.22	43.059	+ 35.7	59.2	5 49 . . .	.	.	.
34	ν Orionis	11	1	46.65	+ 0.53	- 3.81	24 3 59.82	44.888	+ 26.1	58.9	6 1 . . .	.	.	.
December 8, S.														
35	δ Ursæ Minoris	8	5	4.89	+ 4.45	[- 3.75]	312 16 . . .	.	.	.	18 5 . . .	.	.	.
36	α Lyrae	11	33	28.74	+ 0.64	- 3.69	0 10 4.58	44.986	+ 0.2	58.6	18 33 . . .	.	.	.
37	β Lyrae	9	46	18.56	+ 0.61	- 3.75	5 36 2.90	46.957	+ 5.8	59.4	18 46 . . .	.	.	.
38	γ Aquilæ	11	41	24.38	+ 0.49	- 3.80	28 30 6.62	41.938	+ 31.3	60.7	19 41 . . .	.	.	.
39	α Aquilæ	11	45	48.05	+ 0.49	- 3.73	30 14 1.58	48.178	+ 33.6	59.8	19 45 . . .	.	.	.
40	Venus I, C.	6	50	7.73	+ 0.35	- 3.77	61 57 59.08	49.275	+ 1 47.9	59.6	19 50 4.31	+ 0.49	- 23 9 46.8	.
41	Venus II	5	50	8.50	+ 0.35	- 3.77	.	.	.	.	19 50 5.08	- 0.28	.	.
December 8, I.a.														
42	α Coronæ Borealis	11	30	21.94	+ 0.56	- 3.74	11 48 1.30	43.815	+ 12.1	60.2	15 30 . . .	.	.	.
43	δ Ophiuchi	11	8	59.48	+ 0.40	- 3.87	42 15 59.90	46.036	+ 52.4	60.4	16 8 . . .	.	.	.
44	α Scorpii	11	23	8.07	+ 0.29	- 3.89	65 1 59.18	43.638	+ 2 3.2	59.9	16 23 . . .	.	.	.
45	ζ Ophiuchi	11	31	31.92	+ 0.37	- 3.98	49 11 59.75	44.488	+ 1 6.7	59.5	16 31 . . .	.	.	.
46	κ Ophiuchi	11	52	50.08	+ 0.46	- 3.89	29 17 59.68	47.502	+ 32.4	58.9	16 52 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
5 19 50	29.896	52.5	51.1	7. 31.	Bisections at I, VII.					
5 5 12	29.860	39.0	37.5	8. 32.	Bisections at II, VI.	5	+ 0.1	-	.	+ 0.1
5 46	29.852	39.0	38.1	9.	Bisections at II, VI, VII.	7	+ 3.6	- 8.4	.	+ 4.8
6 14 20	29.854	41.9	40.1	13.	Bisections at I, II.	8	+ 3.6	+ 8.4	0.0	+ 12.0
15 39	29.902	48.9	46.2	15.	Bisection at II.	15	+ 7.9	- 16 14.9	.	- 16 7.0
16 23	29.900	53.1	51.6	16. 44.	Bisections at VI, VII.	16	+ 7.9	+ 16 14.9	.	+ 16 22.8
7 17 1	29.899	54.7	54.8	24.	Bisections at B ₂ , B ₃ , D ₁ .	21	+ 6.5	-	+ -0.2	+ 6.7
18 25	29.896	59.1	60.2	37.	Bisections at I, II, VII.	30	+ 0.1	-	.	+ 0.1
19 44	29.908	61.2	62.2	42.	Bisections at II, VII.	31	+ 3.6	- 9.4	.	+ 5.8
20 53	29.932	59.0	60.2			32	+ 3.6	+ 9.4	0.0	+ 13.0
1 35	29.986	54.8	55.2			40	+ 6.6	-	+ 0.2	+ 6.8
3 9	29.991	53.0	53.8							
4 22	29.995	51.9	52.2							
5 29	29.992	50.8	51.1							
6 1	.	50.6	50.1							
8 18 33	29.885	52.2	51.3							
19 50	29.861	55.8	54.5							
15 43	29.634	52.0	50.4							
16 23	29.616	51.7	50.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	December 9, La.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, S.	11	7 31.74	+ 0.31	- 3.86	62 0 2.90	50.310	+ 1 48.2	59.6	17 7 28.19	+70.83	- 23 12 9.5	. .
2	Sun II, N.	11	9 53.40	+ 0.31	- 3.86	61 27 58.28	48.872	+ 1 45.8	59.6	17 9 49.85	-70.83	- 22 39 37.4	. .
3	Mercury C, C.	11	34 48.88	+ 0.29	- 3.85	63 54 0.52	43.348	+ 1 57.1	59.6	17 34 45.32	0.00	- 25 4 3.8	. .
4	α Lyræ	11	33 28.81	+ 0.63	- 3.75	0 10 1.98	45.152	+ 0.2	59.4	18 33 . .	. .	. .	. .
5	α Aquilæ	11	0 43.03	+ 0.48	- 3.81	25 8 0.22	46.004	+ 26.9	60.0	19 0 . .	. .	. .	. .
6	δ Draconis	9	12 31.15	+ 1.06	- 3.70	331 22 1.90	47.815	- 31.1	[59.2]	19 12 . .	. .	. .	. .
7	γ Aquilæ	11	41 24.45	+ 0.47	- 3.85	28 30 5.78	41.960	+ 31.1	59.8	19 41 . .	. .	. .	. .
8	α Aquilæ	11	45 48.17	+ 0.46	- 3.82	30 14 2.78	48.124	+ 33.4	59.6	19 45 . .	. .	. .	. .
9	Venus I, C.	6	55 18.38	+ 0.31	- 3.79	61 46 0.22	44.860	+ 1 46.1	59.6	19 55 14.90	+ 0.63	- 22 56 21.5	. .
10	Venus II	5	55 19.36	+ 0.31	- 3.79			. .	. .	19 55 15.88	- 0.35	. .	. .
11	γ Cygni	11	18 33.85	+ 0.64	- 3.70	358 56 0.05	43.822	- 1.0	58.8	20 18 . .	. .	. .	. .
12	ε Delphini	11	28 20.31	+ 0.47	- 3.77	27 54 1.15	43.838	+ 30.3	59.8	20 28 . .	. .	. .	. .
13	ζ Cygni	11	8 35.65	+ 0.57	- 3.69	9 4 2.10	41.128	+ 9.2	59.3	21 8 . .	. .	. .	. .
14	β Aquarii	11	26 11.53	+ 0.39	- 3.80	44 51 59.48	44.735	+ 56.9	59.7	21 26 . .	. .	. .	. .
15	ε Pegasi	11	39 10.72	+ 0.46	- 3.72	29 26 2.85	46.732	+ 32.3	59.6	21 39 . .	. .	. .	. .
16	Moon I, S.	11	44 45.15	+ 0.37	- 3.75	52 36 55.40	47.369	+ 1 14.9	59.6	21 44 41.77	+65.14	- 13 47 33.8	. .
17	α Ursæ Minoris	5	21 28.92	+ 11.02	- 3.79	310 5 59.20	46.922	- 1 8.5	[58.6]	1 21 . .	. .	. .	. .
18	η Tauri	11	41 26.68	+ 0.55	- 3.79	15 3 57.88	44.084	+ 15.7	57.3	3 41 . .	. .	. .	. .
19	ε Tauri	11	22 41.28	+ 0.53	- 3.84	29 53 56.48	44.224	+ 21.0	57.3	4 22 . .	. .	. .	. .
20	α Tauri	11	30 5.71	+ 0.52	- 3.78	22 31 58.68	47.114	+ 24.1	58.5	4 30 . .	. .	. .	. .
21	ι Aurigæ	11	50 22.42	+ 0.60	- 3.78	5 50 1.65	47.752	+ 6.0	58.4	4 50 . .	. .	. .	. .
22	11 Orionis	11	58 46.29	+ 0.51	- 3.91	23 33 58.05	48.612	+ 25.3	57.4	4 58 . .	. .	. .	. .
23	Neptune C, C.	11	12 18.09	+ 0.54	- 3.80	17 17 58.25	45.085	+ 18.1	57.5	5 12 14.83	. .	+ 21 33 1.1	. .
24	Mars I, S.	6	16 18.50	+ 0.56	- 3.80	13 11 58.78	44.672	+ 13.6	57.5	5 16 15.26	+ 0.72	+ 25 39 13.4	. .
25	Mars II, N.	5	16 19.94	+ 0.56	- 3.80	13 11 58.78	43.695	+ 13.6	57.5	5 16 16.70	- 0.72	+ 25 39 32.3	. .
26	ε Orionis	11	31 4.38	+ 0.44	- 3.78	40 5 59.22	46.391	+ 48.9	56.8	5 31 . .	. .	. .	. .
27	α Orionis	11	49 40.82	+ 0.48	- 3.71	31 27 58.18	42.988	+ 35.7	56.7	5 49 . .	. .	. .	. .
December 9, P.													
28	α Scorpii	11	23 8.14	+ 0.26	- 3.91	65 2 . .	. .	. .	. .	16 23 . .	. .	. .	. .
29	η Herculis	11	39 23.76	+ 0.72	- 3.89	359 44 0.88	46.126	- 0.2	57.5	16 39 . .	. .	. .	. .
December 10, P.													
30	Sun I, N.	11	11 55.98	+ 0.29	- 3.93	61 33 58.20	46.510	+ 1 45.5	58.8	17 11 52.34	+70.97	- 22 44 50.1	. .
31	Sun II, S.	11	14 17.92	+ 0.29	- 3.93	62 6 0.28	47.658	+ 1 47.9	58.8	17 14 14.28	-70.97	- 23 17 19.1	. .
32	α Lyræ	11	33 29.00	+ 0.71	- 4.02	0 10 1.92	45.148	+ 0.2	58.5	18 33 . .	. .	. .	. .
33	β Lyræ	11	46 18.73	+ 0.66	- 3.97	5 36 1.32	47.050	+ 5.7	59.4	18 46 . .	. .	. .	. .
34	Venus I, C.	11	0 28.01	+ 0.29	- 4.01	61 31 58.72	44.722	+ 1 44.2	58.8	20 0 24.29	+ 0.53	- 22 42 16.2	. .
35	μ Capricorni	11	47 44.65	+ 0.35	- 4.09	52 52 0.00	46.135	+ 15.4	58.9	21 47 . .	. .	. .	. .
36	α Aquarii	11	0 33.22	+ 0.43	- 3.98	39 40 0.70	44.229	+ 47.4	59.1	22 0 . .	. .	. .	. .
37	β Aquarii	11	11 27.75	+ 0.38	- 4.04	47 8 10.98	44.816	+ 1.5	59.2	22 11 . .	. .	. .	. .
38	π Aquarii	11	20 4.70	+ 0.44	- 4.01	37 59 59.92	42.811	+ 44.6	59.1	22 20 . .	. .	. .	. .
39	226 B. Cephei	8	30 27.46	+ 1.78	- 3.91	323 10 . .	. .	. .	. .	22 30 . .	. .	. .	. .
40	Moon I, S.	11	32 12.76	+ 0.40	- 4.03	46 57 56.20	46.997	+ 1.2	58.8	22 32 9.13	+63.03	- 8 8 14.6	. .
41	Flora	11	31 22.89	+ 0.58	- 4.03	24 7 55.80	47.050	+ 25.9	57.6	4 31 19.44	. .	+ 14 42 18.8	. .
42	ι Aurigæ	11	50 22.54	+ 0.72	- 4.01	5 50 0.98	47.723	+ 6.0	57.8	4 50 . .	. .	. .	. .
43	ε Ursæ Minoris s. p.	8	56 27.35	- 2.30	- 4.03	301 6 . .	. .	. .	. .	16 56 . .	. .	. .	. .
44	11 Orionis	11	58 46.33	+ 0.57	- 4.00	23 33 58.85	48.581	+ 25.2	57.6	4 58 . .	. .	. .	. .
45	Mars I, S.	6	14 35.07	+ 0.65	- 4.03	13 11 59.78	43.692	+ 13.6	57.6	5 14 31.69	+ 0.71	+ 25 39 31.2	. .
46	Mars II, N.	5	14 36.48	+ 0.65	- 4.03	13 11 59.78	42.775	+ 13.6	57.6	5 14 33.10	- 0.70	+ 25 39 49.0	. .
47	β Tauri	11	19 52.32	+ 0.68	- 4.07	10 19 57.98	44.452	+ 10.6	57.3	5 19 . .	. .	. .	. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
9	17	9	29.600	51.0	49.7	1, 30.	Bisections at I, II.	1	+ 7.9	+16 16.0	. .	+16 23.9
	18	33	29.581	52.5	51.0	2, 6, 31.	Bisections at VI, VII.	2	+ 7.9	-16 16.1	. .	-16 8.2
	19	20	29.570	53.8	52.3	4, 23, 42.	Bisections at II, VI, VII.	3	+ 5.6		0.0	+ 5.6
	21	8	29.564	54.4	53.8	13.	Bisections at I, VI, VII.	9	+ 6.6		0.2	+ 6.8
	21	44	29.552	52.1	52.2	16, 40.	Bisections at III, IV, V.	16	+44 34.9	+15 21.4	. .	+59 56.3
	1	39	29.517	46.1	45.1	17.	Bisections at C, C ₁ , C ₅ .	23	+ 0.1		. .	+ 0.1
	3	41	29.523	45.0	44.3	24, 45.	Bisections at I, VII.	24	+ 3.5	+ 9.4	0.0	+ 12.9
	4	35	29.522	44.2	46.1	25, 46.	Bisections at II, VI.	25	+ 3.5	- 9.5	. .	- 6.0
	5	16	29.533	45.0	46.8			30	+ 7.9	-16 14.5	. .	-16 6.6
	5	55	29.542	44.3	42.3			31	+ 7.9	+16 14.5	. .	+16 22.4
10	16	23	29.614	52.5	51.2			34	+ 6.7		0.2	+ 6.9
	17	14	29.630	53.6	53.1			40	+40 26.4	+15 8.9	. .	+55 35.3
	18	46	29.620	57.0	56.0			41	+ 3.8		. .	+ 3.8
	20	0	29.588	59.5	58.0			45	+ 3.5	+ 8.9	0.0	+ 12.4
	21	47	29.594	55.5	53.9			46	+ 3.5	- 8.9	. .	- 5.4
	22	32	29.538	54.0	53.0							
	4	31	29.576	49.0	49.8							
	5	19	29.576	48.5	48.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
December 11, K.													
			m s	s	s	° / "	rev.	/' "	"	h m s	s	° / "	"
1	γ Aquilæ	11	41 24.41	+ 0.60	- 3.94	28 30 3.85	41.948	+ 31.7	58.1	19 41 . . .	. . .		. . .
2	α Aquilæ	11	45 48.22	+ 0.58	- 4.00	30 14 1.68	48.021	+ 34.1	57.1	19 45 . . .	. . .		. . .
3	β Aquilæ	9	50 17.97	+ 0.57	- 3.95	32 42 0.78	44.165	+ 37.5	58.4	19 50 . . .	. . .		. . .
4	Venus I, C.	6	5 35.77	+ 0.34	- 3.95	61 15 57.75	48.599	+ 1 46.4	57.8	20 5 32.16	+ 0.62	- 22 27 32.8	. . .
5	Venus II	5	5 36.74	+ 0.34	- 3.95					20 5 33.13	- 0.35		. . .
6	α^2 Capricorni	11	12 23.47	+ 0.42	- 3.92	51 42 0.62	44.985	+ 1 14.0	57.7	20 12 . . .	. . .		. . .
7	λ Aquarii	11	47 18.30	+ 0.46	- 3.93	46 57 59.00	44.895	+ 1 3.0	57.6	22 47 . . .	. . .		. . .
8	α Pegasi	11	59 41.34	+ 0.63	- 3.96	24 12 0.65	44.009	+ 26.5	57.8	22 59 . . .	. . .		. . .
9	Moon I, S.	9	17 13.39	+ 0.52	- 3.95	41 10 0.38	47.857	+ 51.6	57.3	23 17 9.96	+ 61.79	- 2 20 27.1	. . .
10	θ Piscium	11	22 48.42	+ 0.56	- 3.96	33 2 15.78	43.467	+ 38.3	56.4	23 22 . . .	. . .		. . .
11	ι Piscium	11	34 43.04	+ 0.56	- 3.94	33 45 58.35	46.633	+ 39.5	58.0	23 34 . . .	. . .		. . .
12	β Ceti	11	38 29.84	+ 0.38	- 3.95	57 24 1.18	41.598	+ 1 32.2	58.2	0 38 . . .	. . .		. . .
13	ϵ Piscium	11	57 40.13	+ 0.58	- 3.90	31 30 2.65	46.249	+ 36.3	57.1	0 57 . . .	. . .		. . .
14	B. D. + 5°, 149 . . .	11	4 59.61	+ 0.56	- 3.91	33 8 2.52	42.722	+ 38.7	57.3	1 4 56.26	- 4.16	+ 5 40 8.4	- 5.6
15	B. D. + 5°, 151 . . .	10	5 30.79	+ 0.56	- 3.91	33 8 2.52	46.992	+ 38.6	57.3	1 5 27.44	- 4.17	+ 5 41 58.8	- 5.6
16	θ^1 Ceti	11	18 57.16	+ 0.46	- 3.92	47 33 58.62	42.218	+ 1 4.7	57.9	1 18 . . .	. . .		. . .
17	α Ursæ Minoris . . .	6	21 17.18	+ 21.12	- 3.88	310 6 4.65	46.532	- 1 9.8	[57.2]	1 21 . . .	. . .		. . .
18	α Piscium	10	40 1.75	+ 0.58	- 3.88	30 12 0.40	45.725	+ 34.5	57.6	1 39 . . .	. . .		. . .
19	ϵ Tauri	11	22 41.22	+ 0.68	- 3.92	19 54 2.52	43.838	+ 21.6	56.6	4 22 . . .	. . .		. . .
20	Flora	11	30 21.52	+ 0.65	- 3.87	24 4 1.82	49.796	+ 26.7	57.3	4 30 18.30	. . .	+ 14 45 19.0	. . .
21	ι Aurigæ	11	50 22.36	+ 0.81	- 3.90	5 50 1.42	47.699	+ 6.2	57.5	4 50 . . .	. . .		. . .
22	ϵ Ursæ Minoris S. P. .	7	56 27.35	+ 2.50	- 3.86	301 6 . . .				16 56 . . .	. . .		. . .
23	ι Orionis	11	58 46.15	+ 0.65	- 3.89	23 34 4.00	48.230	+ 26.1	56.9	4 58 . . .	. . .		. . .
24	Neptune C, C.	11	12 3.58	+ 0.70	- 3.86	17 17 59.25	45.825	+ 18.7	57.3	5 12 0.42	. . .	+ 21 32 45.6	. . .
25	β Tauri	11	19 51.94	+ 0.76	- 3.75	10 20 1.50	44.188	+ 10.9	56.2	5 19 . . .	. . .		. . .
December 12, S.													
26	ω Piscium	11	54 5.41	+ 0.74	- 4.22	32 34 4.85	41.905	+ 37.4	62.5	23 54 . . .	. . .		. . .
27	Moon I, S.	11	1 6.49	+ 0.74	- 4.29	35 28 3.10	40.423	+ 41.7	62.4	0 1 2.94	+ 61.43	+ 3 24 7.7	. . .
28	β Ceti	11	38 29.97	+ 0.61	- 4.32	57 24 2.48	41.785	+ 1 31.3	62.7	0 38 . . .	. . .		. . .
29	ϵ Piscium	11	57 40.36	+ 0.75	- 4.31	31 30 8.18	46.245	+ 35.9	62.2	0 57 . . .	. . .		. . .
30	θ^1 Ceti	11	18 57.34	+ 0.66	- 4.31	47 34 2.62	42.350	+ 1 4.0	63.6	1 18 . . .	. . .		. . .
31	α Ursæ Minoris . . .	8	21 21.45	+ 16.43	- 4.30	310 6 4.48	46.738	- 1 9.2	[62.2]	1 21 . . .	. . .		. . .
32	γ Tauri	11	14 1.16	+ 0.79	- 4.23	23 28 2.85	45.130	+ 25.5	61.8	4 13 . . .	. . .		. . .
33	α Tauri	11	30 5.98	+ 0.80	- 4.31	22 32 5.32	46.903	+ 24.4	62.0	4 30 . . .	. . .		. . .
34	ι Orionis	11	58 46.41	+ 0.79	- 4.28	23 34 4.02	48.576	+ 25.6	62.9	4 58 . . .	. . .		. . .
35	Mars I, S.	6	11 9.47	+ 0.86	- 4.27	13 10 10.10	49.162	+ 13.8	62.4	5 11 6.06	+ 0.64	+ 25 39 40.8	. . .
36	Mars II, N.	5	11 10.74	+ 0.86	- 4.27	13 10 10.10	48.242	+ 13.8	62.4	5 11 7.33	- 0.63	+ 25 39 58.3	. . .
37	β Tauri	11	19 52.35	+ 0.88	- 4.27	10 20 8.10	44.144	+ 10.7	61.8	5 19 . . .	. . .		. . .
December 13, La.													
38	α Coronæ Borealis . .	11	30 22.46	+ 0.80	- 4.38	11 48 4.75	43.856	+ 12.3	62.8	15 30 . . .	. . .		. . .
39	δ Ophiuchi	11	8 59.94	+ 0.57	- 4.40	42 16 3.40	46.060	+ 53.2	64.9	16 8 . . .	. . .		. . .
40	β Herculis	11	25 50.26	+ 0.76	- 4.42	17 8 3.85	46.130	+ 18.1	63.5	16 25 . . .	. . .		. . .
December 14, La.													
41	Sun I, S.	11	29 36.28	+ 0.42	- 4.39	62 22 4.95	47.918	+ 1 50.8	64.0	17 29 32.31	+ 71.13	- 23 33 23.8	. . .
42	Sun II, N.	11	31 58.55	+ 0.42	- 4.39	61 50 7.28	46.085	+ 1 48.3	64.0	17 31 54.58	- 71.14	- 23 0 51.1	. . .
43	Mercury C, C.	9	9 41.28	+ 0.41	- 4.39	64 18 1.45	43.778	+ 2 0.2	64.0	18 9 37.30	+ 0.01	- 25 28 11.6	. . .
44	α Lyrae	11	33 29.10	+ 0.92	- 4.34	0 10 5.88	45.280	+ 0.2	63.9	18 33 . . .	. . .		. . .
45	β Lyrae	11	46 18.93	+ 0.86	- 4.38	5 36 . . .				18 46 . . .	. . .		. . .
46	γ Aquilæ	10	41 24.80	+ 0.67	- 4.41	28 30 6.28	42.209	+ 31.5	64.8	19 41 . . .	. . .		. . .
47	α Aquilæ	11	45 48.52	+ 0.65	- 4.38	30 14 2.15	48.396	+ 33.8	64.0	19 45 . . .	. . .		. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						/' "	/' "	"	/' "	"
11 19 41	29.864	49.5	47.4	3, 6, 15, 42.	Bisections at VI, VII.			4	+ 6.6	. . .	+ 0.2	+ 6.8	
20 12	29.878	50.0	47.4	9, 27.	Bisections at III, IV, V.			9	+ 36 0.4	+ 14 58.9	. . .	+ 50 59.3	
22 47	29.888	45.7	44.5	10, 11, 28, 33, 39.	Bisections at II, VI, VII.			20	+ 3.8	. . .	. . .	+ 3.8	
23 34	29.900	44.2	43.4	14.	Z. D. thread A used.			24	+ 0.1	. . .	. . .	+ 0.1	
0 38	29.898	43.0	42.2	14, 41.	Bisections at I, II.			27	+ 31 26.5	+ 14 51.9	. . .	+ 46 18.4	
1 39	29.884	42.8	41.4	17.	Bisections at C ₃ , C ₅ , D ₁ , D ₃ .			35	+ 3.5	+ 8.7	0.0	+ 12.2	
4 22	29.882	39.5	38.0	31.	Bisections at B ₁ , B ₂ , B ₃ .			36	+ 3.5	- 8.8	. . .	- 5.3	
5 19	29.884	38.4	36.7	32.	Bisections at I, II, VI.			41	+ 8.0	+ 16 16.3	. . .	+ 16 24.3	
12 0 1	29.733	45.8	44.4	35.	Bisections at II, VI.			42	+ 7.9	- 16 16.3	. . .	- 16 8.4	
1 21	29.708	45.0	43.5	36.	Bisections at I, VII.			43	+ 5.8	. . .	0.0	+ 5.8	
4 13	29.654	43.6	42.1										
4 51	29.640	43.9	42.5										
5 19	29.625	44.0	43.1										
13 15 30	29.813	48.4	45.4										
16 35	29.820	49.4	46.5										
17 31	29.796	50.2	48.5										
18 33	29.800	51.4	50.0										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	κ Cephei	7	12 17.07	+ 2.49	[- 4.19]	321 28 . .				20 12 . .			
2	Venus I, C.	6	20 51.57	+ 0.44	- 4.37	60 26 3.30	45.265	+ 1 42.1	64.0	20 20 47.64	+ 0.51	- 21 39 39.1	
3	Venus II	5	20 52.36	+ 0.44	- 4.37					20 20 48.43	- 0.28		
4	ε Piscium	11	57 40.44	+ 0.57	- 4.23	31 30 3.38	46.849	+ 36.0	[69.0]	0 57 . .			
5	B. D. + 5°, 149 . . .	11	4 59.85	+ 0.55	- 4.26	33 8 2.40	43.055	+ 38.4	62.4	1 4 56.14	- 4.12	+ 5 40 7.2	- 5.2
6	B. D. + 5°, 151 . . .	8	5 31.04	+ 0.55	- 4.26	33 8 2.40	47.335	+ 38.4	62.4	1 5 27.33	- 4.12	+ 5 41 57.7	- 5.2
7	α Ursæ Minoris . . .	5	21 10.50	+ 25.81	[- 4.27]	310 6 2.00	47.002	- 1 9.4	[62.9]	1 21 . .			
8	Moon I, S.	11	30 16.38	+ 0.65	- 4.26	24 46 1.50	47.342	+ 27.2	62.4	1 30 12.77	+ 63.06	+ 14 4 11.1	
9	α Arietis	11	1 26.79	+ 0.72	- 4.26	15 52 0.60	46.176	+ 16.8	62.7	2 1 . .			
10	ε Ceti	11	7 37.43	+ 0.58	- 4.28	30 28 0.80	47.642	+ 34.7	62.0	2 7 . .			
11	ε Ceti	11	22 46.07	+ 0.57	- 4.31	30 50 3.90	47.172	+ 35.2	62.2	2 22 . .			
12	η Tauri	11	41 27.11	+ 0.73	- 4.39	15 4 0.78	44.195	+ 16.0	62.9	3 41 . .			
13	γ Tauri	11	14 1.40	+ 0.64	- 4.31	23 28 0.15	45.249	+ 25.8	62.2	4 13 . .			
14	Flora	11	27 25.77	+ 0.64	- 4.32	23 56 1.18	45.078	+ 26.4	62.4	4 27 22.09		+ 14 54 55.5	
15	ι Aurigæ	11	50 22.78	+ 0.84	- 4.32	5 50 3.45	47.845	+ 6.1	62.5	4 50 . .			
16	ι Orionis	11	58 46.55	+ 0.64	- 4.25	23 33 59.10	48.786	+ 25.9	62.2	4 58 . .			
17	Neptune C, C. . . .	11	11 42.13	+ 0.71	- 4.33	17 17 59.40	47.402	+ 18.6	62.4	5 11 38.51		+ 21 32 20.4	
December 16, S.													
18	12 Ceti	11	24 51.96	+ 0.86	- 5.03	43 22 4.48	44.671	+ 56.2	60.2	0 24 . .			
19	ε Piscium	11	57 40.91	+ 0.94	- 5.08	31 30 5.90	46.285	+ 36.6	61.2	0 57 . .			
20	B. D. + 5°, 149 . . .	11	5 0.23	+ 0.93	- 5.05	33 8 1.38	43.008	+ 39.0	61.3	1 4 56.11	- 4.10	+ 5 40 7.7	- 5.0
21	B. D. + 5°, 151 . . .	11	5 31.40	+ 0.93	- 5.05	33 8 1.38	47.280	+ 39.0	61.3	1 5 27.28	- 4.10	+ 5 41 58.1	- 5.0
22	α Ursæ Minoris . . .	6	21 13.27	+ 22.40	[- 5.05]	310 6 5.30	46.767	- 1 10.5	[61.0]	1 21 . .			
23	η Piscium	11	26 3.38	+ 1.00	- 5.05	24 2 6.08	44.200	+ 26.7	61.2	1 25 . .			
24	Moon I, S.	11	7 57.37	+ 1.08	- 5.07	16 24 0.00	45.537	+ 17.7	61.3	3 7 53.38	+ 66.86	+ 22 26 55.6	
25	η Tauri	11	41 27.45	+ 1.07	- 5.06	15 4 3.55	43.941	+ 16.2	61.0	3 41 . .			
26	ζ Persei	11	47 45.21	+ 1.14	- 5.05	7 16 2.48	46.074	+ 7.7	61.4	3 47 . .			
27	γ Tauri	11	14 1.85	+ 1.00	- 5.11	23 28 4.32	44.994	+ 26.1	61.7	4 13 . .			
28	Flora	11	25 36.15	+ 1.00	- 5.08	23 48 3.40	48.302	+ 26.6	61.3	4 25 32.07		+ 15 1 50.1	
29	ι Orionis	11	58 47.05	+ 1.00	- 5.09	23 34 3.20	48.546	+ 26.3	62.1	4 58 . .			
30	Mars I, S.	6	4 32.50	+ 1.09	- 5.08	13 12 6.75	46.940	+ 14.2	61.3	5 4 28.51	+ 0.73	+ 25 38 25.3	
31	Mars II, N.	5	4 33.96	+ 1.09	- 5.08	13 12 6.75	45.928	+ 14.2	61.3	5 4 29.97	- 0.73	+ 25 38 44.5	
32	Neptune C, C. . . .	11	11 28.15	+ 1.05	- 5.08	17 18 5.08	47.788	+ 18.8	61.3	5 11 24.12		+ 21 32 6.1	
33	β Tauri	11	19 52.98	+ 1.11	- 5.08	10 20 7.42	44.132	+ 11.0	61.4	5 19 . .			
December 16, P.													
34	ε Serpentis	11	45 44.72	+ 0.80	- 5.27	34 2 5.05	49.689	+ 40.8	62.4	15 45 . .			
35	δ Scorpii	11	54 18.45	+ 0.58	- 5.25	61 10 4.50	42.761	+ 1 49.1	62.0	15 54 . .			
36	β Scorpii					58 22 8.70	42.766	+ 1 37.5	63.8	15 59 . .			
37	δ Ophiuchi	11	9 0.76	+ 0.74	- 5.33	42 16 5.50	45.802	+ 54.7	62.5	16 8 . .			
38	ε Ursæ Minoris . . .	11	56 21.72	+ 4.44	[- 5.15]	316 40 . .				16 56 . .			
December 17, P.													
39	Sun I, S.	11	42 54.83	+ 0.57	- 5.35	62 30 5.00	45.210	+ 1 54.3	62.5	17 42 50.05	+ 71.14	- 23 40 36.9	
40	Sun II, N.	11	45 17.11	+ 0.57	- 5.35	61 57 59.72	43.762	+ 1 51.7	62.5	17 45 12.33	- 71.14	- 23 8 3.9	
41	δ Ursæ Minoris . . .	9	5 0.63	+ 9.32	[- 5.43]	312 16 . .				18 5 . .			
42	β Aquilæ	4	50 19.19	+ 0.81	- 5.42	32 42 6.72	44.156	+ 38.1	62.6	19 50 . .			
43	γ Cygni	11	18 34.98	+ 1.17	- 5.45	358 56 5.32	43.752	- 1.0	61.5	20 18 . .			
44	ε Delphini	11	28 21.58	+ 0.85	- 5.45	27 54 5.45	43.751	+ 31.4	62.5	20 28 . .			
45	Venus I, C.	11	35 54.44	+ 0.59	- 5.45	59 36 5.10	45.036	+ 1 40.7	62.5	20 35 49.58	+ 0.54	- 20 46 21.5	
46	Moon I, N.	11	1 29.83	+ 1.11	- 5.68	13 8 0.15	43.765	+ 14.1	61.7	4 1 25.26	+ 68.88	+ 25 43 33.4	
47	γ Tauri	11	14 2.45	+ 1.00	- 5.71	23 28 1.00	45.135	+ 26.2	61.2	4 13 . .			

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
14	20	30	29.805	51.3	50.2	2, 5, 20.	Z. D. thread A used.	2	+	6.7		
	0	57	29.807	45.9	43.7	5.	Bisection at II.	8	+ 22	33.0	+ 14	46.5
	1	43	29.800	44.8	42.7	6, 21, 23, 40.	Bisections at VI, VII.	14	+	3.7		+ 37
	2	30	29.813	43.8	42.0	7, 22.	Bisections at C ₁ , C ₂ , C ₃ .	17	+	0.1		+ 0.1
	3	41	29.802	42.5	40.6	8, 24, 46.	Bisections at III, IV, V.	24	+ 15	14.3	+ 14	51.4
	4	27	29.808	41.3	39.3	20, 39.	Bisections at I, II.	28	+	3.7		+ 3.7
16	23	46	29.689	37.5	37.2	30.	Bisections at II, VI.	30	+	3.5	+ 9.6	0.0
	0	53	29.724	35.5	35.1	31.	Bisections at I, VII.	31	+	3.5	- 9.6	
	2	59	29.740	33.7	33.3	43.	Bisections at II, VI, VII.	32	+	0.1		+ 0.1
	3	55	29.756	33.0	32.5			39	+	8.0	+ 16	16.4
	5	22	29.780	32.4	32.4			40	+	7.9	- 16	16.5
17	15	45	29.004	35.5	34.6			45	+	6.8		+ 7.2
	17	42	29.978	39.5	39.7			46	+ 12	18.3	- 14	56.9
	19	50	29.942	43.0	41.9							- 16
	20	35	29.952	43.5	42.4							+ 7.2
	4	1	29.946	34.0	33.4							- 2

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum- ent.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	Flora	11	24 44.15	+ 0.99	- 5.70	23 46 3.50	43.231	+ 26.6	61.7	4 24 39.44	.	+ 15 5 27.7	.
2	α Tauri	11	30 7.24	+ 1.00	- 5.73	22 32 5.12	46.901	+ 25.1	61.7	4 30 . . .	.	.	.
3	i Aurigæ	11	50 23.84	+ 1.15	- 5.66	5 50 4.35	47.755	+ 6.3	62.1	4 50 . . .	.	.	.
4	ε Ursæ Minoris S. P.	11	56 29.24	- 2.51	[- 5.71]	301 6 . . .	.	.	.	16 56 . . .	.	.	.
5	Mars I, N.	6	2 58.05	+ 1.08	- 5.72	13 12 1.98	48.105	+ 14.2	61.7	5 2 53.41	+ 0.62	+ 25 38 7.9	.
6	Mars II, S.	5	2 59.28	+ 1.08	- 5.72	13 12 1.98	48.968	+ 14.3	61.7	5 2 54.64	- 0.61	+ 25 37 51.5	.
7	Neptune C, C. . . .	11	11 21.55	+ 1.05	- 5.72	17 18 4.65	48.211	+ 18.9	61.7	5 11 16.88	.	+ 21 31 58.7	.
December 18, P.													
8	ε Serpentis	11	45 45.73	+ 0.87	- 6.30	34 2 5.12	49.709	+ 40.9	62.6	15 45 . . .	.	.	.
9	δ Scorpii	11	54 19.50	+ 0.64	- 6.31	61 10 1.92	42.862	+ 49.6	62.4	15 54 . . .	.	.	.
10	β ¹ Scorpii	11	59 31.71	+ 0.67	- 6.26	58 22 . . .	.	.	.	15 59 . . .	.	.	.
11	δ Ophiuchi	11	9 1.66	+ 0.80	- 6.25	42 16 1.22	46.031	+ 55.0	62.6	16 8 . . .	.	.	.
December 19, P.													
12	Sun I, N.	11	51 48.45	+ 0.64	- 6.36	62 0 6.85	44.878	+ 53.0	62.5	17 51 42.73	+ 71.17	- 23 10 31.2	.
13	Sun II, S.	11	54 10.79	+ 0.64	- 6.36	62 32 1.55	46.452	+ 55.6	62.5	17 54 5.07	- 71.17	- 23 43 1.3	.
December 21, B.													
14	i Aurigæ	11	50 25.44	+ 1.15	- 7.23	5 50 1.92	47.852	+ 6.2	61.3	4 50 . . .	.	.	.
15	Mars I, S.	6	56 59.23	+ 1.07	- 7.26	13 15 57.22	46.915	+ 14.2	61.1	4 56 53.04	+ 0.65	+ 25 34 34.9	.
16	Mars II, N.	5	57 0.52	+ 1.07	- 7.26	13 15 57.22	46.120	+ 14.2	61.1	4 56 54.33	- 0.64	+ 25 34 50.4	.
17	β Tauri	9	19 55.22	+ 1.10	- 7.25	10 20 1.62	44.380	+ 11.0	60.5	5 19 . . .	.	.	.
18	ε Orionis	11	31 7.68	+ 0.82	- 7.32	40 5 57.60	46.724	+ 50.7	61.5	5 31 . . .	.	.	.
19	δ Ursæ Minoris S. P.	10	5 19.04	- 7.82	[- 7.26]	305 30 4.65	43.067	- 24.0	[60.6]	18 5 . . .	.	.	.
December 22, K.													
20	α Coronæ Borealis . .	11	30 26.14	+ 1.18	- 8.23	11 48 6.95	43.768	+ 12.5	60.9	15 30 . . .	.	.	.
21	α Serpentis	11	39 18.47	+ 0.99	- 8.26	32 6 2.32	44.702	+ 37.3	61.4	15 39 . . .	.	.	.
22	δ Scorpii	11	54 21.47	+ 0.76	- 8.29	61 10 1.85	42.952	+ 47.8	62.6	15 54 . . .	.	.	.
23	α Scorpii	11	23 12.32	+ 0.72	- 8.25	65 2 1.55	43.554	+ 7.2	63.0	16 23 . . .	.	.	.
December 23, K.													
24	Mercury C, C.	11	12 21.35	+ 0.74	- 8.35	63 28 2.95	42.492	+ 59.3	62.1	19 12 13.74	+ 0.02	- 24 37 49.5	.
25	γ Aquilæ	11	41 28.41	+ 1.02	- 8.36	28 30 3.18	42.289	+ 32.6	63.0	19 41 . . .	.	.	.
26	α Aquilæ	11	45 52.17	+ 1.00	- 8.38	30 14 1.02	48.345	+ 35.0	62.1	19 45 . . .	.	.	.
27	β Aquilæ	11	50 21.94	+ 0.98	- 8.33	32 42 6.58	44.172	+ 38.6	62.4	19 50 . . .	.	.	.
28	α ² Capricorni	10	12 27.52	+ 0.83	- 8.38	51 42 1.22	45.171	+ 16.2	62.2	20 12 . . .	.	.	.
29	γ Cygni	11	18 37.63	+ 1.34	[- 8.32]	358 56 0.55	44.094	- 1.1	61.3	20 18 . . .	.	.	.
30	Venus I, C.	5	5 18.08	+ 0.78	- 8.40	57 34 5.80	46.962	+ 34.9	62.1	21 5 10.46	+ 0.59	- 18 44 53.7	.
31	Venus II	6	5 18.98	+ 0.78	- 8.40	.	.	.	.	21 5 11.36	- 0.31	.	.
32	ξ Cygni	9	8 39.58	+ 1.21	- 8.41	9 4 2.60	41.355	+ 9.7	61.9	21 8 . . .	.	.	.
33	α Cephei	11	16 11.49	+ 1.90	[- 8.38]	336 44 3.90	40.618	+ 25.9	[62.1]	21 16 . . .	.	.	.
34	ξ Arietis	11	9 7.75	+ 1.19	- 8.51	18 11 58.20	42.162	+ 20.3	59.7	3 9 . . .	.	.	.
35	γ Tauri	11	14 5.20	+ 1.14	- 8.57	23 28 0.50	45.165	+ 26.9	61.8	4 13 . . .	.	.	.
36	Flora	11	20 9.23	+ 1.14	- 8.51	23 22 3.95	44.150	+ 26.8	61.1	4 20 1.86	.	+ 15 29 8.8	.
37	ε Tauri	11	22 45.47	+ 1.17	- 8.59	19 54 2.60	44.032	+ 22.5	61.2	4 22 . . .	.	.	.
38	α Tauri	11	30 9.82	+ 1.15	- 8.44	22 32 5.38	46.794	+ 25.8	60.4	4 30 . . .	.	.	.
39	Mars I, N.	5	54 15.12	+ 1.24	- 8.52	13 16 3.80	41.988	+ 14.7	61.1	4 54 7.84	+ 0.61	+ 25 32 47.1	.
40	Mars II, S.	6	54 16.32	+ 1.24	- 8.52	13 16 3.80	42.968	+ 14.7	61.1	4 54 9.04	- 0.59	+ 25 32 28.5	.
41	ε Ursæ Minoris S. P.	5	56 32.65	- 3.02	[- 8.50]	301 6 7.52	42.482	- 42.3	[63.4]	16 56 . . .	.	.	.
42	Neptune C, C. . . .	11	10 41.67	+ 1.20	- 8.52	17 20 1.68	44.402	+ 19.4	61.1	5 10 34.35	.	+ 21 31 13.6	.
43	β Tauri	11	19 56.28	+ 1.27	- 8.46	10 20 4.50	44.262	+ 11.4	61.5	5 19 . . .	.	.	.
44	δ Orionis	11	26 54.12	+ 1.02	- 8.50	39 12 1.85	47.972	+ 50.8	62.0	5 26 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d l m	in.	°	°				/ "	/ "	"	/ "
17 5 11	29.934	33.5	32.3	5, 15, 39.	Bisections at I, VII.	1	+ 3.6	.	.	+ 3.6
18 15 45	29.974	34.0	32.1	6, 16, 40.	Bisections at II, VI.	5	+ 3.5	- 8.2	.	- 4.7
18 16 8	29.980	34.0	32.6			6	+ 3.5	+ 8.2	.	+ 11.7
19 17 54	29.940	35.4	34.0	12.	Bisections at I, II.	7	+ 3.5	.	0.0	+ 0.1
21 5 10	29.714	32.5	31.3	13.	Bisections at VI, VII.	12	+ 7.9	- 16 15.0	.	- 16 7.1
21 6 50	29.712	31.0	29.5	19.	Bisections at C ₅ , C ₄ , C ₃ .	13	+ 8.0	+ 16 15.0	.	+ 16 23.0
22 15 30	29.678	36.2	35.5	22, 33.	Bisections at II, VI, VII.	15	+ 3.4	- 7.7	0.0	+ 4.4
22 16 23	29.660	37.0	35.4	39, 40.	Z. D. thread A used.	16	+ 3.4	- 7.8	.	+ 11.1
23 19 15	29.682	35.3	33.4	41.	Bisections at C ₁ , B ₃ , B ₁ .	24	+ 6.2	.	0.0	+ 6.2
23 19 50	29.716	34.8	31.8			30	+ 6.0	.	+ 0.5	+ 7.4
20 12	29.730	33.7	30.8			36	+ 3.5	.	.	+ 3.5
21 2	29.764	33.2	29.9			39	+ 3.4	- 9.3	.	+ 5.9
21 20	29.776	31.5	29.7			40	+ 3.4	+ 9.3	0.0	+ 12.7
3 9	29.912	24.0	23.0			42	+ 6.1	.	.	+ 0.1
4 30	29.984	22.5	21.3						.	
5 26	29.992	20.8	19.6						.	

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN * OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
December 23, B.													
1	ϵ Serpentis	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	β^1 Scorpii	11	45 48.05	+ 1.19	- 8.82	34 2 0.62	49.939	+ 42.5	63.0	15 45 . .	. .		. .
3	δ Ophiuchi	11	59 34.07	+ 1.00	- 8.81	58 21 57.72	42.572	+ 1 41.7	63.5	15 59 . .	. .		. .
4	α Ophiuchi	11	9 4.01	+ 1.12	- 8.81	42 15 59.68	46.076	+ 57.0	63.3	16 8 . .	. .		. .
5	μ Herculis	11	30 16.00	+ 1.26	- 8.84	26 11 58.50	47.996	+ 30.8	62.7	17 30 . .	. .		. .
6	δ Ursæ Minoris . .	11	42 31.99	+ 1.41	- 8.77	11 4 . .	. .	. .	17 42 . .	. .	. .		. .
		7	5 1.29	+ 11.28	- 8.80	312 15 59.80	44.613	- 1 8.3	[61.1]	18 5 . .	. .		. .
December 24, B.													
7	Sun II	8	16 25.50	+ 0.97	- 8.84	62 14 . .	. .	. .	. .	18 16 17.63	- 71.25		. .
8	ζ Aquilæ	11	0 47.38	+ 1.27	- 8.90	25 7 58.82	46.226	+ 29.3	62.5	19 0 . .	. .		. .
9	Mercury C, C. . . .	11	19 9.05	+ 0.96	- 8.86	63 13 57.88	44.866	+ 2 3.0	62.6	19 19 1.15	+ 0.02	- 24 24 33.2	. .
10	α Aquilæ	11	45 52.38	+ 1.22	- 8.80	30 13 59.20	48.429	+ 36.3	62.8	19 45 . .	. .		. .
11	ν Cygni	11	53 26.16	+ 1.59	- 8.91	358 6 0.22	42.035	- 2.0	61.4	20 53 . .	. .		. .
12	Venus I, C. . . .	5	10 6.04	+ 1.01	- 8.88	57 11 59.70	47.300	+ 1 36.3	62.6	21 9 58.17	+ 0.62	- 18 22 55.0	. .
13	Venus II	6	10 6.98	+ 1.01	- 8.88	. .	. .	. .	. .	21 9 59.11	- 0.32		. .
14	β Aquarii	11	26 15.83	+ 1.11	- 8.91	44 51 58.78	44.652	+ 1 1.9	61.6	21 26 . .	. .		. .
15	β Ceti	11	38 33.95	+ 1.00	- 8.83	57 23 56.78	41.871	+ 1 37.5	63.3	0 38 . .	. .		. .
16	ϵ Piscium	11	57 44.45	+ 1.20	- 8.95	31 30 2.38	46.461	+ 38.4	62.4	0 57 . .	. .		. .
17	β Andromedæ . . .	11	4 5.92	+ 1.48	- 8.81	3 47 55.45	40.774	+ 4.2	61.6	1 3 . .	. .		. .
18	α Ursæ Minoris . .	7	21 4.50	+ 28.19	- 8.90	310 6 0.45	47.190	- 1 13.9	[62.5]	1 21 . .	. .		. .
19	β Arietis	11	49 5.70	+ 1.31	- 8.94	18 31 59.30	46.819	+ 21.0	62.0	1 48 . .	. .		. .
20	γ Arietis	11	9 8.08	+ 1.32	- 8.98	18 11 58.80	42.232	+ 20.6	61.9	3 9 . .	. .		. .
21	γ Tauri	11	19 25.49	+ 1.21	- 8.96	30 10 3.30	46.915	+ 36.5	62.4	3 19 17.74	- 4.88	+ 8 40 8.1	- 22.1
22	B. D. + 7°, 515 . .	11	25 52.39	+ 1.20	- 8.97	31 40 9.62	44.109	+ 38.7	62.4	3 25 44.62	- 4.88	+ 7 10 53.4	- 21.3
23	η Tauri	11	41 31.13	+ 1.35	- 9.02	15 3 55.82	44.330	+ 16.9	61.6	3 41 . .	. .		. .
24	γ Tauri	11	14 5.49	+ 1.26	- 8.98	23 27 55.78	45.432	+ 27.3	62.6	4 13 . .	. .		. .
25	α Tauri	11	30 10.26	+ 1.28	- 9.00	22 32 0.98	47.180	+ 26.1	63.7	4 30 . .	. .		. .
26	Mars I, S. . . .	4	52 56.82	+ 1.36	- 9.02	13 20 2.60	44.158	+ 14.9	62.4	4 52 49.16	+ 0.61	+ 25 31 23.0	. .
27	Mars II, N. . . .	5	52 58.02	+ 1.36	- 9.02	13 20 2.60	43.300	+ 14.9	62.4	4 52 50.36	- 0.59	+ 25 31 39.7	. .
28	Neptune C, C. . .	11	10 35.08	+ 1.32	- 9.03	17 20 2.22	44.778	+ 19.6	62.4	5 10 27.37	. .	+ 21 31 6.9	. .
29	δ Orionis	11	26 54.52	+ 1.14	- 9.02	39 11 58.78	48.155	+ 51.1	62.6	5 26 . .	. .		. .
December 25, K.													
30	γ Tauri	11	19 26.31	+ 1.32	- 9.78	30 10 6.48	46.870	+ 36.3	62.1	3 19 17.85	- 4.87	+ 8 40 7.1	- 22.1
31	γ Tauri	11	21 45.31	+ 1.33	- 9.78	29 28 8.18	45.362	+ 35.3	62.1	3 21 36.86	- 4.90	+ 9 22 33.9	- 22.1
32	B. D. + 7°, 515 . .	6	25 52.89	+ 1.32	- 9.78	31 40 5.15	44.422	+ 38.5	62.1	3 25 44.43	- 4.87	+ 7 10 51.4	- 21.2
33	η Tauri	11	41 31.82	+ 1.41	- 9.77	15 4 1.32	44.076	+ 16.9	62.2	3 41 . .	. .		. .
34	γ Aurigæ	11	50 27.70	+ 1.48	- 9.80	5 50 5.10	47.752	+ 6.5	62.1	4 50 . .	. .		. .
35	Mars I, S. . . .	6	51 42.27	+ 1.42	- 9.81	13 18 7.42	43.615	+ 14.9	62.1	4 51 33.88	+ 0.51	+ 25 30 12.1	. .
36	Mars II, N. . . .	5	51 43.28	+ 1.42	- 9.81	13 18 7.42	42.670	+ 14.9	62.1	4 51 34.89	- 0.50	+ 25 30 29.3	. .
37	ϵ Ursæ Minoris s. p.	7	56 32.86	- 1.85	- 9.81	301 6 . .	. .	. .	. .	16 56 . .	. .		. .
38	γ Orionis	11	58 51.55	+ 1.36	- 9.88	23 34 6.50	48.366	+ 27.3	62.6	4 58 . .	. .		. .
39	Neptune C, C. . .	11	10 28.89	+ 1.39	- 9.82	17 20 6.10	44.935	+ 19.5	62.1	5 10 20.46	. .	+ 21 30 59.8	. .
40	β Tauri	11	19 57.47	+ 1.44	- 9.80	10 20 4.35	44.260	+ 11.4	61.4	5 19 . .	. .		. .
December 26, S.													
41	α Arietis	11	1 32.24	+ 1.43	- 10.52	15 52 3.22	45.920	+ 17.3	60.9	2 1 . .	. .		. .
42	ϵ^1 Ceti	11	7 42.86	+ 1.36	- 10.56	30 28 1.95	47.518	+ 35.7	61.1	2 7 . .	. .		. .
43	ϵ^2 Ceti	11	22 51.48	+ 1.36	- 10.58	30 50 6.10	47.004	+ 36.2	61.5	2 22 . .	. .		. .
44	γ Tauri	11	19 27.07	+ 1.36	- 10.57	30 10 10.08	46.692	+ 35.3	61.4	3 19 17.86	- 4.86	+ 8 40 7.2	- 22.0
45	γ Tauri	11	21 46.06	+ 1.36	- 10.57	29 28 4.40	45.672	+ 34.3	61.4	3 21 36.85	- 4.89	+ 9 22 33.5	- 22.0
46	B. D. + 7°, 515 . .	11	25 53.84	+ 1.35	- 10.57	31 40 6.30	44.263	+ 37.5	61.4	3 25 44.62	- 4.87	+ 7 10 53.4	- 21.1
47	γ Tauri	11	14 6.95	+ 1.39	- 10.57	23 28 2.75	45.068	+ 26.4	61.6	4 13 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
23 15 50	30.138	18.5	17.6	2, 11.	Bisections at VI, VII.	9	+	6.2	. .	. .	0.0	+	6.2
16 25	30.153	20.0	18.6	6, 18.	Bisections at C ₁ , C ₂ , C ₃ .	12	+	6.9	. .	. .	0.5	+	7.4
24 18 16	30.136	21.5	20.5	26.	Bisections at I, VII.	26	+	3.4	+	8.3	0.0	+	11.7
19 5	30.134	22.8	21.5	27.	Bisections at II, VI.	27	+	3.4	-	8.4	. .	-	5.0
19 40	30.142	23.0	21.6	30, 34, 44, 45.	Bisections at I, II.	28	+	0.1	. .	. .	. .	+	0.1
21 0	30.154	24.0	22.6	32.	Bisections at I, VI, VII.	35	+	3.3	+	8.6	0.0	+	11.9
21 20	30.160	23.8	22.5	35, 36.	Z. D. thread A used.	36	+	3.3	-	8.6	. .	-	5.3
0 30	30.192	21.0	20.5	35.	Bisection at VI.	39	+	0.1	. .	. .	. .	+	0.1
1 35	30.192	20.8	19.9	36.	Bisection at VII.								
3 0	30.198	20.0	19.6	46.	Bisections at II, VI, VII.								
3 50	30.212	19.8	19.1										
4 40	30.222	19.8	19.1										
5 20	30.224	20.0	19.5										
3 19	30.190	21.0	21.2										
3 41	30.174	21.0	20.8										
4 50	30.148	21.8	20.6										
5 19	30.150	22.0	20.5										
2 11	30.122	31.8	34.3										
3 39	30.152	32.1	33.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.			
			m	s	Instru- ment.	Clock.											
1	ε Tauri	11	22	47.24	+ 1.40	-10.58	19 54 3.65	43.995	+ 22.0	60.9	4 22 . . .	.	.	.			
2	α Tauri	11	30	11.72	+ 1.39	-10.57	22 32 5.00	46.915	+ 25.3	61.8	4 30 . . .	.	.	.			
3	Mars I, S.	6	50	30.28	+ 1.44	-10.58	13 22 5.70	45.102	+ 14.5	61.4	4 50 21.14	+ 0.64	+ 25 29 1.4	.			
4	Mars II, N.	5	50	31.54	+ 1.44	-10.58	13 22 5.70	44.195	+ 14.5	61.4	4 50 22.40	- 0.62	+ 25 29 18.6	.			
5	ε Ursæ Minoris S. P.	4	56	33.21	- 1.40	[-10.58]	301 6 . . .	.	.	.	16 56 . . .	.	.	.			
6	Neptune C, C.	11	10	22.80	+ 1.42	-10.59	17 20 7.50	45.199	+ 19.0	61.4	5 10 13.63	.	+ 21 30 53.2	.			
7	β Tauri	11	19	58.26	+ 1.46	-10.60	10 20 7.18	44.148	+ 11.1	61.9	5 19 . . .	.	.	.			
December 27, B.																	
8	α Scorpii	11	23	14.95	+ 0.99	-11.02	65 1 58.82	43.300	+ 2 15.4	63.4	16 23 . . .	.	.	.			
9	η Herculis	11	39	30.44	+ 1.44	-10.99	359 43 59.68	46.765	- 0.2	62.5	16 39 . . .	.	.	.			
10	κ Ophiuchi	11	52	56.75	+ 1.20	-10.98	29 17 54.88	47.989	+ 35.4	62.5	16 52 . . .	.	.	.			
11	δ Ursæ Minoris	6	5	6.08	+ 8.61	[-11.01]	312 16 0.82	44.710	- 1 8.4	[62.8]	18 5 . . .	.	.	.			
December 28, B.																	
12	Sun I, S.	11	31	50.05	+ 1.00	-11.02	62 20 7.38	45.400	+ 1 58.4	63.1	18 31 40.03	+ 71.19	- 23 30 46.4	.			
13	Sun II, N.	11	34	12.43	+ 1.00	-11.02	61 48 6.00	43.710	+ 1 55.8	63.1	18 34 2.41	- 71.19	- 22 58 13.2	.			
14	ζ Aquilæ	11	0	49.63	+ 1.22	-11.07	25 7 57.50	46.350	+ 29.1	62.6	19 0 . . .	.	.	.			
15	γ Aquilæ	11	41	30.98	+ 1.20	-11.10	28 30 5.65	42.200	+ 33.5	63.8	19 41 . . .	.	.	.			
16	Mercury C, C.	11	45	31.65	+ 1.00	-11.03	62 5 59.55	44.974	+ 1 56.3	63.1	19 45 21.62	+ 0.03	- 23 16 29.7	.			
17	γ Cygni	11	18	40.19	+ 1.45	-11.02	358 55 59.98	44.262	- 1.1	62.8	20 18 . . .	.	.	.			
18	α Cygni	11	38	3.35	+ 1.52	-11.06	353 55 55.05	47.482	- 6.5	63.5	20 37 . . .	.	.	.			
19	ζ Cygni	11	8	41.96	+ 1.35	-10.97	9 4 0.72	41.558	+ 9.8	63.1	21 8 . . .	.	.	.			
20	ι Pegasi	11	17	28.58	+ 1.26	-11.00	19 30 3.25	42.259	+ 21.8	63.1	21 17 . . .	.	.	.			
21	Venus I, C.	6	29	3.35	+ 1.04	-11.05	55 40 4.35	45.219	+ 1 29.7	63.1	21 28 53.34	+ 0.58	- 16 50 12.7	.			
22	Venus II	5	29	4.22	+ 1.04	-11.05	.	.	.	.	21 28 54.21	- 0.29	.	.			
23	ε Pegasi	11	39	17.22	+ 1.20	-11.10	29 26 0.10	47.006	+ 34.7	62.5	21 39 . . .	.	.	.			
24	α Aquarii	11	0	39.43	+ 1.13	-11.01	39 40 3.75	44.212	+ 50.9	64.1	22 0 . . .	.	.	.			
25	α Ceti	11	57	5.23	+ 1.20	-11.23	35 10 1.58	43.120	+ 43.7	62.6	2 56 . . .	.	.	.			
26	ζ Arietis	11	9	10.27	+ 1.30	-11.16	18 11 58.38	42.310	+ 20.4	62.7	3 9 . . .	.	.	.			
27	2 Tauri	11	21	46.75	+ 1.23	-11.16	29 27 53.80	46.124	+ 35.1	62.8	3 21 36.82	- 4.88	+ 9 22 34.6	21.8			
28	B. D. + 7°, 515	11	25	54.49	+ 1.22	-11.16	31 40 0.00	44.658	+ 38.3	62.8	3 25 44.55	- 4.85	+ 7 10 53.3	- 21.0			
29	η Tauri	11	41	33.22	+ 1.32	-11.08	15 3 56.08	44.350	+ 16.8	62.1	3 41 . . .	.	.	.			
30	α Tauri	11	30	12.40	+ 1.27	-11.12	22 31 56.45	47.388	+ 25.9	62.9	4 30 . . .	.	.	.			
31	Mars I, S.	6	48	15.65	+ 1.33	-11.14	13 23 57.08	46.970	+ 14.9	62.8	4 48 5.84	+ 0.54	+ 25 26 34.0	.			
32	Mars II, N.	5	48	16.72	+ 1.33	-11.14	13 23 57.08	46.185	+ 14.9	62.8	4 48 6.91	- 0.53	+ 25 26 50.3	.			
33	Neptune C, C.	11	10	9.81	+ 1.30	-11.14	17 20 0.70	46.302	+ 19.5	62.8	5 9 59.97	.	+ 21 30 39.7	.			
34	δ Orionis	11	26	56.67	+ 1.18	-11.18	39 11 57.90	48.302	+ 50.9	63.8	5 26 . . .	.	.	.			
35	ε Ursæ Minoris S. P.	11	5	20.34	- 5.54	[-11.13]	305 30 2.92	43.333	- 1 26.9	[63.8]	18 5 . . .	.	.	.			
36	μ Geminorum	11	16	55.89	+ 1.31	-11.11	16 15 55.95	48.479	+ 18.2	62.9	6 16 . . .	.	.	.			
37	α Ursæ Minoris S. P.	6	21	50.05	- 19.04	[-11.31]	307 37 50.95	47.690	- 1 20.6	[62.6]	1 21 . . .	.	.	.			
38	η Bootis	11	49	57.19	+ 1.27	-11.32	19 56 6.72	46.002	+ 22.7	62.8	13 49 . . .	.	.	.			
39	Moon S.	.	.	.	.	.	57 55 56.22	47.963	+ 1 39.5	62.8	14 4 . . .	.	- 19 7 7.4	.			
December 28, K.																	
40	β ¹ Scorpii	5	59	36.69	+ 1.16	-11.46	58 22 5.78	42.260	- 1 40.6	64.3	15 59 . . .	.	.	.			
41	δ Ophiuchi	11	9	6.69	+ 1.25	-11.49	42 16 2.78	45.981	+ 56.4	63.1	16 8 . . .	.	.	.			
42	α Scorpii	.	.	.	.	.	65 2 2.68	43.245	+ 2 12.4	61.8	16 23 . . .	.	.	.			
43	β Herculis	11	25	57.04	+ 1.42	-11.55	17 8 9.50	45.934	+ 19.1	62.3	16 25 . . .	.	.	.			
44	α Ophiuchi	11	30	18.72	+ 1.36	-11.58	26 12 2.72	47.866	+ 30.2	62.7	17 30 . . .	.	.	.			
45	α Lyræ	11	33	35.70	+ 1.59	-11.55	0 10 5.18	45.489	+ 0.2	62.7	18 33 . . .	.	.	.			
December 29, K.																	
46	Sun I, N.	11	36	16.46	+ 1.14	-11.57	61 44 4.88	45.015	+ 1 52.6	62.9	18 36 6.03	+ 71.07	- 22 54 30.8	.			
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.																	
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.				
d	h m	in.	°	°						/ //	/ //	//	/ //				
26	4 42	30.168	32.5	33.4	3, 32.	Bisections at II, VI.				3	+	3.3	+	8.6	0.0	+	11.9
27	5 23	30.180	31.9	32.9	4, 31.	Bisections at I, VII.				4	+	3.3	-	8.6	.	-	5.3
27	16 30	30.584	24.8	21.2	11, 35.	Bisections at C ₃ , C ₄ , C ₅ .				6	+	0.1	.	.	.	+	0.1
28	18 34	30.514	28.8	27.5	12, 42, 46.	Bisections at I, II.				12	+	8.0	+ 16	16.5	.	+ 16	24.5
19	5 5	30.502	30.2	29.5	13, 40.	Bisection at VII.				13	+	7.9	- 16	16.6	.	- 16	8.7
19	50	30.490	32.1	31.0	37.	Bisections at C ₃ , C ₂ , C ₁ .				16	+	6.4	.	.	0.0	+	6.4
20	30	30.484	33.4	32.2	39.	Bisections at III, IV, V.				21	+	6.9	.	.	+ 0.6	+	7.5
21	30	30.464	34.5	33.3						31	+	3.3	+	8.1	.	+	11.4
22	0	30.450	34.5	33.0						32	+	3.3	-	8.2	0.0	-	4.9
2	45	30.412	26.7	27.3						33	+	0.1	.	.	.	+	0.1
3	35	30.402	26.8	26.5						39	+ 50	25.8	+ 16	16.8	.	+ 66	42.6
4	35	30.388	26.3	25.3						46	+	7.9	- 16	15.8	.	- 16	7.9
5	20	30.372	26.3	24.5													
6	5	30.352	26.0	24.3													
13	21	30.276	23.0	21.5													
15	59	30.260	25.0	24.7													
16	33	30.264	29.2	26.8													
17	30	30.246	31.5	30.6													

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun II, S.	11	38 38.60	+ 1.14	-11.57	62 16 4.48	46.400	+ 1 55.2	62.9	18 38 28.17	-71.07	- 23 27 2.5	..
2	γ Aquilæ	11	41 31.37	+ 1.34	-11.62	28 30 10.52	41.962	+ 32.7	63.1	19 41 . . .	..	..	..
3	α Aquilæ	11	45 55.06	+ 1.33	-11.58	30 14 4.35	48.272	+ 35.1	63.0	19 45 . . .	..	..	..
4	Mercury C, C. . . .	10	51 50.01	+ 1.14	-11.60	61 46 2.32	43.419	+ 1 51.8	62.9	19 51 39.55	+ 0.04	- 22 55 58.3	..
5	ζ Arietis	11	9 10.76	+ 1.37	-11.73	18 12 . . .	..	..	..	3 9 . . .	..	..	..
6	γ Tauri	11	14 8.30	+ 1.33	-11.86	23 28 2.52	45.140	+ 26.4	62.6	4 13 . . .	..	..	..
7	ϵ Tauri	11	22 48.53	+ 1.35	-11.82	19 54 2.15	44.154	+ 22.0	62.5	4 22 . . .	..	..	..
8	Mars I, S.	5	47 13.36	+ 1.40	-11.81	13 22 4.18	46.630	+ 14.5	62.6	4 47 2.95	+ 0.57	+ 25 25 19.5	..
9	Mars II, N.	6	47 14.48	+ 1.40	-11.81	13 22 4.18	45.668	+ 14.5	62.6	4 47 4.07	- 0.55	+ 25 25 38.1	..
10	ζ Aurigæ	11	50 29.71	+ 1.47	-11.78	5 50 4.22	47.780	+ 6.3	63.3	4 50 . . .	..	..	..
11	Π Orionis	11	58 53.53	+ 1.33	-11.81	23 34 5.38	48.446	+ 26.4	61.9	4 58 . . .	..	..	..
December 30, B.													
12	Sun S.	..	..	..	..	62 12 0.32	46.492	+ 1 52.7	63.6	..	..	- 23 22 54.0	..
13	Sun II, N.	11	43 4.67	+ 0.76	-11.70	61 40 5.45	44.445	+ 1 50.3	63.6	18 42 53.73	-71.10	- 22 50 20.5	..
14	Mercury C.	..	..	..	..	61 24 1.68	44.206	+ 1 48.0	63.6	19 57 . . .	..	- 22 34 8.3	..
15	γ Cygni	11	18 41.03	+ 1.30	-11.72	358 56 0.90	44.252	- 1.0	63.0	20 18 . . .	..	..	..
16	α Cygni	11	38 4.16	+ 1.37	-11.73	353 56 3.50	47.036	- 6.2	63.2	20 37 . . .	..	..	..
17	γ Cygni	11	53 29.30	+ 1.31	-11.82	358 6 1.65	42.198	- 1.9	63.3	20 53 . . .	..	..	..
18	ζ Cygni	11	8 42.89	+ 1.18	-11.74	9 4 4.82	41.435	+ 9.4	64.0	21 8 . . .	..	..	..
19	α Cephei	11	16 14.88	+ 1.77	-11.83	336 44 3.70	40.735	- 25.2	[62.5]	21 16 . . .	..	..	..
20	β Aquarii	11	26 18.95	+ 0.89	-11.83	44 52 3.50	44.638	+ 58.4	63.6	21 26 . . .	..	..	..
21	Venus I, C.	11	38 22.00	+ 0.82	-11.79	54 50 5.62	48.970	+ 1 23.1	63.6	21 38 11.03	+ 0.57	- 16 1 18.8	..
22	α Piscis Australis .	11	52 9.01	+ 0.70	-11.79	68 59 58.18	42.325	+ 2 32.0	64.7	22 51 . . .	..	..	..
23	β Andromedæ	11	4 9.18	+ 1.24	-11.92	3 47 57.05	40.790	+ 4.0	63.3	1 3 . . .	..	..	..
24	α Ursæ Minoris . . .	7	21 10.29	+ 20.11	-11.91	310 6 1.00	46.930	- 1 10.0	[62.7]	1 21 . . .	..	..	..
25	β Arietis	11	49 8.82	+ 1.12	-11.93	18 32 4.22	46.706	+ 19.9	63.5	1 48 . . .	..	..	..
26	α Arietis	11	1 33.87	+ 1.14	-11.89	15 52 5.20	45.984	+ 16.9	63.6	2 1 . . .	..	..	..
27	α Ceti	11	57 6.14	+ 1.00	-11.96	35 10 8.10	42.988	+ 41.9	64.6	2 56 . . .	..	..	..
28	γ Tauri	11	19 28.74	+ 1.03	-11.94	30 10 6.42	46.948	+ 34.6	63.5	3 19 17.83	- 4.84	+ 8 40 7.4	-21.6
29	B. D. +7°, 515 . . .	11	25 55.45	+ 1.02	-11.94	31 40 5.22	44.561	+ 36.7	63.5	3 25 44.53	- 4.85	+ 7 10 52.2	-20.8
30	η Tauri	11	41 34.27	+ 1.14	-11.96	15 4 6.05	43.869	+ 16.0	62.1	3 41 . . .	..	..	..
31	γ Tauri	11	14 8.67	+ 1.08	-11.99	23 28 5.30	45.106	+ 25.8	64.2	4 13 . . .	..	..	..
32	ϵ Tauri	11	22 48.83	+ 1.10	-11.87	19 54 . . .	..	..	..	4 22 . . .	..	..	..
33	Mars I.	4	46 14.27	+ 1.16	-11.96	13 26 . . .	..	..	..	4 46 3.47	+ 0.61	..	..
34	Mars II	6	46 15.46	+ 1.16	-11.96	..	..	..	..	4 46 4.66	- 0.58	..	..
35	ζ Aurigæ	11	50 30.15	+ 1.22	-11.97	5 50 . . .	..	..	..	4 50 . . .	..	..	..
36	β Tauri	11	19 59.95	+ 1.18	-11.99	10 20 6.02	44.281	+ 10.9	63.2	5 19 . . .	..	..	..
December 30, S.													
37	α Serpentis	11	39 22.61	+ 1.02	-12.22	32 6 2.35	44.849	+ 37.5	62.7	15 39 . . .	..	..	..
38	δ Scorpii	11	54 25.56	+ 0.82	-12.22	61 10 7.28	42.652	+ 1 48.1	62.7	15 54 . . .	..	..	..
39	β Scorpii	5	59 37.74	+ 0.84	-12.14	58 22 1.92	42.640	+ 1 36.6	63.4	15 59 . . .	..	..	..
40	δ Ophiuchi	11	9 7.63	+ 0.95	-12.08	42 16 3.78	46.069	+ 54.1	63.1	16 8 . . .	..	..	..
41	τ Herculis	11	16 48.33	+ 1.40	-12.01	352 18 4.10	45.732	- 8.0	62.2	16 16 . . .	..	..	..
42	α Scorpii	11	23 16.52	+ 0.80	-12.32	65 2 2.48	43.468	+ 2 7.2	62.0	16 23 . . .	..	..	..
43	ζ Ophiuchi	11	31 40.05	+ 0.91	-12.18	49 12 2.92	44.525	+ 1 8.7	63.1	16 31 . . .	..	..	..
44	δ Ursæ Minoris . . .	11	5 7.52	+ 8.28	-12.21	312 16 7.35	44.228	- 1 4.0	[63.5]	18 5 . . .	..	..	..
45	α Lyre	11	33 36.61	+ 1.29	-12.14	0 10 4.20	45.634	+ 0.2	63.8	18 33 . . .	..	..	..
December 31, S.													
46	Sun I, N.	11	45 8.48	+ 0.82	-12.27	61 34 2.80	49.122	+ 1 47.6	63.1	18 44 57.03	+71.05	- 22 45 42.2	..
47	Sun II, S.	11	47 30.59	+ 0.82	-12.27	62 6 3.82	50.525	+ 1 50.0	63.1	18 47 19.14	+71.06	- 23 18 15.6	..

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
29 18 38	30.216	34.6	34.6	I, 13, 20, 22, 38, 39, 47.	Bisections at VI, VII.	1	+ 7.9	+16 15.9	..	+16 23.8
19 41	30.200	38.5	38.5	8.	Bisections at I, VII.	4	+ 6.5	..	0.0	+ 6.5
19 56	30.200	39.0	38.5	8, 9.	Z. D. thread A used.	8	+ 3.3	+ 9.3	..	+ 12.6
3 9	30.190	30.2	34.6	9.	Bisections at II, VI.	9	+ 3.3	- 9.3	..	- 6.0
4 13	30.174	35.2	34.5	12, 46.	Bisections at I, II.	12	+ 7.9	+16 16.7	..	+16 24.6
4 43	30.172	34.4	35.4	19.	Bisections at V, VI, VII.	13	+ 7.9	-16 16.8	..	-16 8.9
18 44	30.120	40.8	41.8	24.	Bisections at C ₁ , C ₂ .	14	+ 6.6	..	+ 0.1	+ 6.7
20 0	30.114	47.0	46.3	44.	Bisections at C ₁ , C ₃ , C ₅ .	21	+ 6.9	..	+ 0.6	+ 7.5
20 45	30.116	49.0	47.7			46	+ 7.9	-16 16.7	..	-16 8.8
21 35	30.116	50.7	49.8			47	+ 7.9	+16 16.7	..	+16 24.6
23 0	30.112	49.5	48.7							
1 15	30.090	44.5	43.8							
2 10	30.088	44.3	43.5							
3 10	30.086	42.6	42.1							
4 0	30.086	43.5	42.8							
4 40	30.090	42.8	42.3							
5 25	30.096	42.6	42.3							
15 50	30.133	41.0	41.3							
16 31	30.157	46.7	44.2							
18 5	30.150	51.3	51.5							
31 18 47	30.144	52.6	52.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	γ Aquilæ	11	41 32.42	+ 1.04	-12.36	28 30 5.18	42.326	+	31.6	63.4 19 41 . . .	. . .	. . .	. . .
2	α Aquilæ	11	45 56.11	+ 1.03	-12.32	30 14 3.28	48.441	+	34.0	63.7 19 45 . . .	. . .	. . .	. . .
3	Mercury C, C.	11	3 57.81	+ 0.82	-12.31	61 0 4.28	47.284	+	44.9	63.1 20 3 46.32	+ 0.04	- 22 11 7.3	. . .
4	ζ Cygni	11	8 43.45	+ 1.20	-12.32	9 4 3.45	41.481	+	9.3	63.3 21. 8 . . .	. . .	. . .	. . .
5	ι Pegasi.	11	17 30.03	+ 1.11	-12.31	19 30 3.95	42.328	+	20.7	63.5 21 17 . . .	. . .	. . .	. . .
6	β Aquarii	11	26 19.47	+ 0.93	-12.39	44 52 1.68	44.835	+	58.0	63.6 21 26 . . .	. . .	. . .	. . .
7	ϵ Pegasi.	11	39 18.63	+ 1.02	-12.35	29 26 . . .	. . .	. . .	. . .	21 39 . . .	. . .	. . .	. . .
8	ζ Arietis.	11	9 11.79	+ 1.10	-12.51	18 12 7.25	41.856	+	19.6	62.1 3 9 . . .	. . .	. . .	. . .
9	η Tauri	11	41 34.79	+ 1.13	-12.47	15 4 7.48	43.760	+	16.1	61.5 3 41 . . .	. . .	. . .	. . .
10	ζ Persei	11	47 52.55	+ 1.21	-12.47	7 16 7.35	45.841	+	7.7	62.6 3 47 . . .	. . .	. . .	. . .
11	γ Tauri	11	14 9.22	+ 1.05	-12.51	23 28 7.72	44.899	+	25.9	62.7 4 13 . . .	. . .	. . .	. . .
12	ϵ Tauri	11	22 49.45	+ 1.08	-12.47	19 54 6.30	43.940	+	21.6	62.1 4 22 . . .	. . .	. . .	. . .
13	α Tauri	11	30 14.00	+ 1.06	-12.51	22 32 7.72	46.861	+	24.8	62.8 4 30 . . .	. . .	. . .	. . .
14	Mars I, S.	6	45 18.77	+ 1.14	-12.47	13 28 7.22	45.442	+	14.3	62.3 4 45 7.44	+ 0.57	+ 25 22 54.5	. . .
15	Mars II, N.	5	45 19.88	+ 1.14	-12.47	13 28 7.22	44.668	+	14.3	62.3 4 45 8.55	- 0.54	+ 25 23 9.1	. . .
16	ϵ Ursæ Minoris S. P.	11	56 36.61	- 2.67	[-12.48]	301 6 5.70	42.165	-	38.4	[62.8] 16 56 . . .	. . .	. . .	. . .
17	Neptune C, C.	11	9 51.29	+ 1.11	-12.47	17 20 7.12	47.040	+	18.7	62.3 5 9 39.93	. . .	+ 21 30 19.5	. . .
18	β Tauri	11	20 0.38	+ 1.17	-12.41	10 20 6.78	44.179	+	11.0	62.2 5 19 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, I', VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°	14.	Bisections at II, VI.		/ "	/ "	"	/ "
31 20 14	30.140	54.1	53.6	15.	Bisections at I, VII.	3	+	6.8	+	0.1
21 47	30.155	54.2	53.2	16.	Bisections at C ₅ , C ₃ , C ₁ .	14	+	3.2	+	7.3
3 13	30.204	45.0	44.1			15	+	3.2	-	7.3
4 10	30.220	43.2	43.0			17	+	0.1	.	.
5 16	30.236	42.9	42.3						.	.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.				CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.	Clock.									
CLAMP EAST.														
January 1, P.														
1	α^1 Herculis	11	m s	s	s	° ' "	rev.	' "	"	"	h m s	s	° ' "	"
2	α Ophiuchi	11	10 8.55	+ 1.15	-13.23	24 20 2.85	46.940	+ 27.4	62.3	17 9 . .	.	.	.	.
3	μ Herculis	11	30 20.65	+ 1.14	-13.21	26 11 59.00	48.196	+ 29.7	63.9	17 30 . .	.	.	.	.
		11	42 36.74	+ 1.29	-13.26	11 4 1.58	46.585	+ 11.8	62.3	17 42 . .	.	.	.	.
January 2, P.														
4	Sun I, N.	11	53 59.21	+ 0.83	-13.25	61 24 7.42	46.675	+ 1 49.2	63.2	18 53 46.79	+ 70.96	- 22 35 1.4	.	.
5	Sun II, S.	11	56 21.14	+ 0.83	-13.26	61 56 1.90	48.430	+ 1 51.7	63.2	18 56 8.71	- 70.96	- 23 7 35.1	.	.
6	ζ Cygni	9	8 44.28	+ 1.31	-13.26	9 4 4.55	41.362	+ 9.5	63.3	21 8 . .	.	.	.	.
7	β Aquarii	8	26 20.36	+ 0.97	-13.33	44 52 4.08	44.662	+ 58.8	63.4	21 26 . .	.	.	.	.
8	ϵ Pegasi	11	39 19.48	+ 1.11	-13.29	29 26 5.20	46.924	+ 33.4	64.2	21 39 . .	.	.	.	.
9	Venus I, C.	11	52 8.30	+ 0.90	-13.30	53 34 3.92	47.979	+ 1 20.0	63.2	21 51 55.90	+ 0.58	- 14 44 55.4	.	.
January 5, La.														
10	α Lyrae	11	33 39.37	+ 1.39	-14.93	0 10 6.95	45.524	+ 0.2	62.6	18 33 . .	.	.	.	.
11	β Lyrae	10	46 29.13	+ 1.31	-14.90	5 36 8.30	47.238	+ 6.0	62.6	18 46 . .	.	.	.	.
January 6, La.														
12	Sun I, S.	11	11 35.67	+ 0.81	-15.00	61 30 3.65	46.155	+ 1 51.6	62.8	19 11 21.48	+ 70.92	- 22 40 50.5	.	.
13	Sun II, N.	10	13 57.50	+ 0.81	-15.00	60 58 1.12	44.248	+ 1 49.1	62.8	19 13 43.31	- 70.91	- 22 8 12.1	.	.
14	γ Aquilæ	11	41 35.15	+ 1.08	-15.09	28 30 . .	.	.	.	19 41 . .	.	.	.	.
15	α Aquilæ	11	45 58.87	+ 1.07	-15.08	30 14 6.00	48.219	+ 35.4	62.7	19 45 . .	.	.	.	.
16	Mercury C, C.	11	34 16.38	+ 0.84	-15.01	58 26 6.12	43.901	+ 1 38.2	62.8	20 34 2.21	+ 0.09	- 19 35 57.9	.	.
17	ζ Cygni	11	8 45.95	+ 1.27	-14.92	9 4 6.42	41.306	+ 9.7	62.0	21 8 . .	.	.	.	.
18	α Cephei	11	16 17.72	+ 1.96	-15.00	336 44 5.55	40.779	- 25.8	[63.1]	21 16 . .	.	.	.	.
19	ϵ Pegasi	11	39 21.15	+ 1.07	-14.94	29 26 7.18	46.756	+ 34.1	63.1	21 39 . .	.	.	.	.
20	α Aquarii	11	0 43.56	+ 0.99	-15.05	39 40 6.88	44.102	+ 50.0	63.5	22 0 . .	.	.	.	.
21	Moon I, S.	11	10 34.05	+ 0.93	-15.03	49 28 3.15	45.418	+ 1 10.5	62.8	22 10 19.95	+ 64.41	- 10 37 56.5	.	.
22	ζ Pegasi	11	36 33.39	+ 1.08	-15.07	28 34 2.88	42.362	+ 32.8	63.4	22 36 . .	.	.	.	.
23	α Piscis Australis	11	52 12.27	+ 0.74	-15.15	69 0 1.55	41.854	+ 2 36.2	62.2	22 51 . .	.	.	.	.
24	η Tauri	11	41 37.37	+ 1.21	-15.16	15 4 9.38	43.616	+ 16.5	61.2	3 41 . .	.	.	.	.
25	ζ Persei	11	47 55.25	+ 1.29	-15.28	7 16 2.85	46.052	+ 7.9	62.6	3 47 . .	.	.	.	.
26	γ Tauri	11	14 11.79	+ 1.12	-15.16	23 27 58.22	45.359	+ 26.7	62.6	4 13 . .	.	.	.	.
27	ϵ Tauri	11	22 52.04	+ 1.16	-15.15	19 54 4.50	44.000	+ 22.2	62.0	4 22 . .	.	.	.	.
28	α Tauri	10	30 16.63	+ 1.13	-15.21	22 32 0.85	47.164	+ 25.5	62.4	4 30 . .	.	.	.	.
29	Mars I	6	41 0.60	+ 1.22	-15.18	13 34 . .	.	.	.	4 40 46.64	+ 0.60	.	.	.
30	Mars II	5	41 1.76	+ 1.22	-15.18	.	.	.	.	4 40 47.80	- 0.56	.	.	.
31	η Orionis	11	58 57.07	+ 1.12	-15.13	23 34 0.80	48.658	+ 26.8	61.4	4 58 . .	.	.	.	.
32	β Tauri	11	20 3.09	+ 1.26	-15.18	10 20 3.35	44.338	+ 11.3	62.3	5 19 . .	.	.	.	.
33	ϵ Orionis	11	31 15.44	+ 0.98	-15.15	40 6 3.18	46.514	+ 51.8	62.1	5 31 . .	.	.	.	.
34	δ Ursæ Minoris s. p.	11	5 27.07	- 8.23	-15.24	305 30 4.45	43.112	- 1 25.7	[65.3]	18 5 . .	.	.	.	.
January 6, B.														
35	α^1 Herculis	11	10 10.90	+ 1.21	-15.53	24 20 6.52	46.805	+ 27.9	62.7	17 9 . .	.	.	.	.
36	α Ophiuchi	11	30 23.00	+ 1.20	-15.53	26 12 6.85	47.752	+ 30.3	62.7	17 30 . .	.	.	.	.
37	μ Herculis	11	42 38.97	+ 1.33	-15.44	11 4 3.95	46.505	+ 12.1	62.1	17 42 . .	.	.	.	.
38	γ Draconis	11	54 25.10	+ 1.65	-15.56	347 22 7.55	43.946	- 13.7	[62.8]	17 54 . .	.	.	.	.
39	β Lyrae	11	46 29.65	+ 1.38	-15.48	5 36 4.05	47.440	+ 6.1	62.1	18 46 . .	.	.	.	.
January 7, B.														
40	Sun I, S.	11	15 58.65	+ 0.96	-15.56	61 22 4.72	46.720	+ 1 51.3	62.6	19 15 44.05	+ 70.61	- 22 33 2.3	.	.
41	Sun II, N.	10	18 19.87	+ 0.96	-15.56	60 50 6.98	44.820	+ 1 49.0	62.6	19 18 5.27	- 70.61	- 22 0 28.8	.	.
42	γ Cygni	11	18 44.85	+ 1.46	-15.71	358 56 4.00	44.036	- 1.1	[59.7]	20 18 . .	.	.	.	.
43	Mercury C, C.	11	38 1.37	+ 0.98	-15.61	57 58 1.62	47.831	+ 1 37.0	62.6	20 37 46.74	+ 0.10	- 19 9 7.8	.	.
44	ζ Cygni	11	8 46.58	+ 1.35	-15.63	9 4 1.62	41.618	+ 9.7	63.0	21 8 . .	.	.	.	.
45	β Aquarii	9	26 22.47	+ 1.07	-15.54	44 52 5.62	44.479	+ 1 0.4	62.8	21 26 . .	.	.	.	.

Time.				Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°	°				' "	' "	"	' "
1	17	10	30.376	40.0	38.6	4, 12, 40.	Bisections at I, II.		4	+	7.9	-16 16.8	-16 8.9
2	17	42	30.370	42.5	41.3	5, 6, 13.	Bisections at VI, VII.		5	+	7.9	+16 16.9	+16 24.8
3	18	56	30.324	45.0	44.3	7.	Bisections at II, VI.		9	+	7.0	.	+ 7.7
4	21	8	30.292	49.0	48.4	21.	Bisections at III, IV, V.		12	+	7.9	+16 19.1	+16 27.0
5	18	33	29.696	27.1	24.7	34.	Bisections at C ₅ , C ₃ , C ₁ .		13	+	7.8	-16 19.2	-16 11.4
6	19	13	29.699	27.9	26.5	41.	Bisection at VI.		16	+	7.7	.	+ 8.0
7	20	34	29.710	31.0	28.6				21	+	42 38.3	+15 21.6	+57 59.9
8	21	10	29.713	31.8	29.6				40	+	7.9	+16 16.7	+16 24.6
9	22	10	29.737	32.1	30.2				41	+	7.8	-16 16.7	-16 8.9
10	22	52	29.760	31.9	30.3				43	+	7.9	.	+ 8.2
11	3	47	29.865	25.4	24.8							.	.
12	4	41	29.874	24.9	24.3							.	.
13	6	12	29.920	24.2	23.4							.	.
14	17	0	30.066	27.3	26.0							.	.
15	17	40	30.068	28.0	26.5							.	.
16	18	40	30.048	30.0	28.5							.	.
17	19	18	30.027	30.5	29.4							.	.
18	20	10	30.020	31.0	30.5							.	.
19	21	10	30.026	33.8	31.5							.	.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			m	s	Instru- ment.	Clock.	° / "	rev.	' "	"	h m s	s	° / "	"
1	ε Pegasi	II	39	21.76	+ 1.18	-15.66	29 26 6.50	46.780	+ 34.2	62.9	21 39 . .			
2	Venus I, C.	II	14	33.11	+ 1.03	-15.67	51 20 5.25	47.490	+ 15.7	62.6	22 14 18.47	+ 0.59	-12 30 43.7	
3	η Aquarii	IO	30	18.45	+ 1.11	-15.75	39 30 3.90	43.185	+ 49.9	62.5	22 30 . .			
4	λ Aquarii	II	47	29.28	+ 1.06	-15.74	46 58 . .				22 47 . .			
5	α Piscis Australis	II	52	12.65	+ 0.90	-15.70	69 0 4.05	41.675	+ 2 36.9	62.0	22 51 . .			
6	Moon I, S.	II	57	26.60	+ 1.10	-15.69	43 34 3.35	47.502	+ 57.7	62.6	22 57 12.01	+ 62.72	- 4 44 29.5	
7	θ Piscium	II	22	59.25	+ 1.15	-15.63	33 2 4.92	44.469	+ 39.5	63.4	23 22 . .			
8	β Ceti	II	38	40.67	+ 0.98	-15.69	57 24 4.22	41.580	+ 1 35.1	62.1	0 38 . .			
9	α Ursæ Minoris	8	21	3.69	+ 22.85	[-15.71]	310 6 5.98	46.690	+ 1 12.1	[61.9]	1 21 . .			
10	ζ Persei	II	47	55.55	+ 1.36	-15.66	7 16 8.60	45.695	+ 7.9	61.5	3 47 . .			
11	γ Tauri	II	14	12.23	+ 1.22	-15.70	23 27 58.25	45.288	+ 26.7	61.3	4 13 . .			
12	ε Tauri	II	22	52.48	+ 1.25	-15.69	19 54 4.72	43.951	+ 22.2	61.3	4 22 . .			
13	α Tauri	II	30	17.04	+ 1.23	-15.73	22 32 9.18	46.644	+ 25.5	60.7	4 30 . .			
14	Mars I, S.	6	40	30.43	+ 1.30	-15.68	13 36 4.12	44.670	+ 14.9	61.1	4 40 16.05	+ 0.53	+ 25 15 10.4	
15	Mars II, S.	5	40	31.46	+ 1.30	-15.68	13 36 4.12	43.948	+ 14.9	61.1	4 40 17.08	+ 0.50	+ 25 15 24.4	
16	II Orionis	II	58	57.48	+ 1.22	-15.64	23 34 6.35	48.356	+ 26.8	61.1	4 58 . .			
17	Neptune C, C.	II	9	9.87	+ 1.27	-15.68	17 22 4.05	43.054	+ 19.3	61.1	5 8 55.46		+ 21 29 37.2	
18	β Tauri	II	20	3.49	+ 1.33	-15.64	10 20 5.95	44.111	+ 11.3	60.6	5 19 . .			
January 7, S.														
19	δ Ophiuchi	II	9	11.71	+ 1.22	-16.21	42 16 2.28	46.039	+ 56.0	61.8	16 8 . .			
20	α Scorpii	II	23	20.49	+ 1.09	-16.34	65 2 3.40	43.175	+ 2 11.6	61.5	16 23 . .			
21	ζ Ophiuchi	II	31	44.05	+ 1.18	-16.23	49 12 2.12	44.422	+ 1 11.2	61.7	16 31 . .			
22	η Herculis	II	39	35.80	+ 1.56	-16.20	359 44 4.05	46.654	+ 0.2	61.4	16 39 . .			
23	α' Herculis	II	10	11.55	+ 1.34	-16.29	24 20 6.35	46.739	+ 27.8	60.9	17 9 . .			
24	δ Ursæ Minoris	7	5	10.91	+ 9.09	[-16.30]	312 16 2.02	44.733	+ 1 6.8	[62.2]	18 5 . .			
25	α Lyrae	II	33	40.56	+ 1.56	-16.26	0 10 1.80	45.816	+ 0.2	62.5	18 33 . .			
January 8, S.														
26	Sun I, N.	II	20	21.45	+ 1.11	-16.36	60 42 1.70	44.518	+ 1 47.5	62.0	19 20 6.20	+ 70.59	- 21 52 13.8	
27	Sun II, S.	II	22	42.63	+ 1.11	-16.36	61 14 1.70	45.982	+ 1 49.8	62.0	19 22 27.38	+ 70.59	- 22 24 47.4	
28	Mercury C, C.	II	41	16.69	+ 1.14	-16.41	57 32 1.55	46.929	+ 1 34.5	62.2	20 41 1.42	+ 0.10	- 18 42 48.3	
29	ε Pegasi	II	39	22.45	+ 1.30	-16.47	29 26 3.98	46.919	+ 34.0	62.7	21 39 . .			
30	α Aquarii	II	0	44.77	+ 1.24	-16.51	39 40 2.32	44.192	+ 49.8	61.8	22 0 . .			
31	Venus I, S.	II	18	57.74	+ 1.18	-16.48	50 52 2.05	48.899	+ 1 13.8	62.4	22 18 42.44	+ 0.60	- 12 3 5.8	
32	ζ Pegasi	II	36	34.55	+ 1.31	-16.47	28 34 5.50	42.128	+ 32.7	62.5	22 36 . .			
33	λ Aquarii	II	47	29.99	+ 1.20	-16.59	46 58 4.62	44.800	+ 1 4.4	62.1	22 47 . .			
34	α Piscis Australis	II	52	13.35	+ 1.06	-16.57	69 0 2.40	41.838	+ 2 35.6	62.2	22 51 . .			
35	ε Pegasi	II	59	52.81	+ 1.34	-16.41	24 12 5.22	44.115	+ 27.1	62.4	22 59 . .			
36	θ Piscium	II	22	59.91	+ 1.28	-16.43	33 2 4.32	44.482	+ 39.1	62.5	23 22 . .			
37	ι Piscium	II	34	54.61	+ 1.28	-16.51	33 46 5.12	46.652	+ 40.3	63.4	23 34 . .			
38	Moon I, S.	II	42	26.55	+ 1.27	-16.52	37 42 1.72	42.915	+ 46.5	62.6	23 42 11.30	+ 61.92	+ 1 9 16.7	
39	γ Tauri	II	14	13.05	+ 1.35	-16.66	23 28 5.22	44.922	+ 26.5	61.1	4 13 . .			
40	ε Tauri	II	22	53.35	+ 1.37	-16.68	19 54 5.15	43.904	+ 22.1	60.7	4 22 . .			
41	α Tauri	II	30	17.90	+ 1.35	-16.71	22 32 4.55	46.929	+ 25.4	61.4	4 30 . .			
42	Mars I, S.	6	40	4.03	+ 1.42	-16.67	13 36 4.58	47.525	+ 14.8	61.0	4 39 48.78	+ 0.56	+ 25 14 15.4	
43	Mars II, N.	5	40	5.10	+ 1.42	-16.67	13 36 4.58	46.742	+ 14.8	61.0	4 39 49.85	+ 0.51	+ 25 14 30.2	
44	II Orionis	II	58	58.42	+ 1.34	-16.70	23 34 5.25	48.400	+ 26.7	60.8	4 58 . .			
45	Neptune C, C.	II	9	4.71	+ 1.39	-16.68	17 22 4.10	43.296	+ 19.1	61.0	5 8 49.42		+ 21 29 32.6	
46	β Tauri	II	20	4.36	+ 1.45	-16.63	10 20 4.20	44.222	+ 11.2	61.0	5 19 . .			
47	ν Orionis	II	1	59.08	+ 1.34	-16.67	24 4 4.32	44.780	+ 27.3	60.7	6 1 . .			
48	δ Ursæ Minoris S. P.	5	5	27.32	+ 6.86	[-16.70]	305 30 10.30	42.547	+ 1 25.2	[61.5]	18 5 . .			
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d h m		in.	°	°					' "	' "	"	' "	' "	' "
7	21 45	30.038	34.5	32.5	6.	Bisections at IV, V, VI, VII.			2	+ 7.0		+ 0.8	+ 7.8	
	22 40	30.038	35.0	32.6					6	+ 38 10.2	+ 15 9.9		+ 53 20.1	
	23 10	30.040	34.1	32.5	9.	Bisections at C ₁ , C ₂ , C ₃ .			14	+ 3.1	+ 7.0		+ 10.1	
	0 45	30.042	30.8	29.6	14, 43, 46.	Bisections at I, VII.			15	+ 3.1	- 7.0		- 3.9	
	3 47	30.024	28.0	26.6	15, 42.	Bisections at II, VI.			17	+ 0.1			+ 0.1	
	4 35	30.022	27.3	27.2	24, 48.	Bisections at C ₂ , C ₃ , C ₄ .			26	+ 7.8	- 16 15.8		- 16 9.0	
	5 15	30.016	26.8	25.5	26.	Bisections at I, II.			27	+ 7.9	+ 16 16.7		+ 16 24.6	
	16 9	30.047	25.7	25.3					28	+ 8.0		+ 0.4	+ 8.4	
	17 14	30.047	28.0	26.5	27, 30, 32.	Bisections at VI, VII.			31	+ 7.0	+ 8.7		+ 15.7	
	18 33	30.018	32.0	31.3					38	+ 33 28.4	+ 15 0.4		+ 48 28.8	
	19 22	30.006	33.5	33.4	33.	Bisections at II, VI, VII.			42	+ 3.0	+ 7.4		+ 10.4	
	20 46	29.996	36.4	35.2	38.	Bisections at III, IV, V.			43	+ 3.0	- 7.4	0.0	- 4.4	
	21 45	30.007	37.6	36.0					45	+ 0.1			+ 0.1	
	22 41	30.018	37.5	36.2										
	23 38	30.020	36.0	35.4										
	4 26	30.030	30.1	29.0										
	5 27	30.027	29.5	28.6										
	6 14	30.023	29.0	28.3										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	January 8, La.		m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	α Ophiuchi	11	30 24.46	+ 1.24	16.98	26 12 1.85	48.071	+ 29.9	63.0	17 30 . .	. .		. .
2	β Lyre	11	46 31.12	+ 1.42	-16.96	5 36 5.98	47.375	+ 6.0	62.1	18 46 . .	. .		. .
	January 9, La.												
3	Sun I, S.	11	24 43.55	+ 0.99	-17.03	61 4 1.22	50.475	+ 1 47.8	62.4	19 24 27.51	+70.54	-22 16 7.5	. .
4	Sun II, N.	11	27 4.63	+ 0.99	-17.03	60 32 0.42	48.790	+ 1 45.4	62.4	19 26 48.59	-70.54	-21 43 35.2	. .
5	α Aquilæ	11	46 0.81	+ 1.20	-17.12	30 14 3.20	48.421	+ 34.8	62.7	19 45 . .	. .		. .
6	γ Cygni	11	18 46.10	+ 1.50	-17.00	358 56 3.35	44.225	- 1.0	62.2	20 18 . .	. .		. .
7	Mercury C, C. . . .	11	43 58.60	+ 1.02	-17.09	57 6 3.08	48.605	+ 1 31.4	62.9	20 43 42.53	+ 0.11	-18 17 18.2	. .
8	β Cephei	11	27 30.79	+ 2.37	[-17.21]	328 46 2.65	42.712	- 35.6	[63.1]	21 27 . .	. .		. .
9	ε Pegasi	11	39 23.15	+ 1.21	-17.08	29 26 4.90	46.896	+ 33.3	62.3	21 39 . .	. .		. .
10	α Aquarii	11	0 45.55	+ 1.14	-17.20	39 40 3.32	44.396	+ 48.9	64.3	22 -0 . .	. .		. .
11	Venus I, C.	6	23 20.85	+ 1.07	-17.13	50 24 0.38	48.649	+ 1 11.3	63.5	22 23 4.79	+ 0.55	-11 34 55.8	. .
12	Venus II	5	23 21.66	+ 1.07	-17.13					22 23 5.60	- 0.26		. .
13	ζ Pegasi	11	36 35.29	+ 1.22	-17.13	28 34 1.48	42.514	+ 32.1	63.8	22 36 . .	. .		. .
14	α Piscis Australis . .	11	52 14.19	+ 0.93	-17.28	69 0 3.08	42.072	+ 2 32.7	64.5	22 51 . .	. .		. .
15	α Pegasi	11	59 53.65	+ 1.25	-17.17	24 12 1.48	44.406	+ 26.6	63.6	22 59 . .	. .		. .
16	α Andromedæ	11	3 19.67	+ 1.29	-17.06	10 20 4.92	43.864	+ 10.8	62.6	0 3 . .	. .		. .
17	γ Pegasi	11	8 12.19	+ 1.17	-17.14	24 13 59.15	45.664	+ 26.6	63.6	0 7 . .	. .		. .
18	Moon I	11	26 48.30	+ 1.13	-17.19	31 48 . .	. .	. .	. .	0 26 32.24	+61.93		. .
19	γ Tauri	11	14 13.85	+ 1.18	-17.29	23 28 2.98	45.125	+ 25.9	62.1	4 13 . .	. .		. .
20	α Tauri	11	30 18.70	+ 1.18	-17.34	22 32 2.40	47.120	+ 24.8	62.3	4 30 . .	. .		. .
21	Mars I	6	39 41.42	+ 1.26	-17.32	13 38 . .	. .	. .	. .	4 39 25.36	+ 0.58		. .
22	Mars II	5	39 42.54	+ 1.26	-17.32		. .	. .	. .	4 39 26.48	- 0.54		. .
23	ι Aurigæ	11	50 35.41	+ 1.34	-17.35	5 50 6.88	47.475	+ 6.2	60.8	4 50 . .	. .		. .
24	ι Orionis	11	58 59.18	+ 1.18	-17.30	23 34 1.15	48.742	+ 26.1	62.5	4 58 . .	. .		. .
25	Neptune C, C. . . .	11	8 59.55	+ 1.23	-17.32	17 22 2.62	43.720	+ 18.7	61.9	5 8 43.46	. .	+ 21 29 27.2	. .
26	β Tauri	11	20 5.12	+ 1.29	-17.23	10 20 2.32	44.382	+ 10.9	61.9	5 19 . .	. .		. .
27	α Orionis	11	49 54.12	+ 1.12	-17.35	31 28 1.02	43.230	+ 36.6	61.9	5 49 . .	. .		. .
28	δ Ursæ Minoris s. p. .	10	5 27.85	- 6.67	[-17.33]	305 30 4.45	42.785	- 1 23.3	[62.4]	18 5 . .	. .		. .
29	μ Geminorum	11	17 2.35	+ 1.26	-17.41	16 15 59.58	48.285	+ 17.5	62.0	6 16 . .	. .		. .
	January 10, P.												
30	Moon I, S.	11	11 41.93	+ 1.23	-18.26	26 38 3.80	46.218	+ 29.2	61.6	1 11 24.90	+62.72	+ 12 12 27.6	. .
31	α Ursæ Minoris	5	21 5.24	+20.81	[-18.26]	310 6 . .	. .	. .	. .	1 21 . .	. .		. .
32	η Piscium	11	26 16.14	+ 1.22	-18.28	24 2 1.68	44.621	+ 26.0	61.5	1 25 . .	. .		. .
33	ο Piscium	11	40 15.28	+ 1.18	-18.27	30 12 4.12	45.856	+ 33.9	61.7	1 39 . .	. .		. .
	January 10, La.												
34	α Ophiuchi	11	30 26.13	+ 1.20	-18.57	26 11 59.80	48.221	+ 29.0	62.5	17 30 . .	. .		. .
35	μ Herculis	11	42 42.09	+ 1.32	-18.48	11 4 0.80	46.782	+ 11.5	62.6	17 42 . .	. .		. .
36	ε Aquilæ	8	0 57.37	+ 1.21	-18.65	25 8 2.72	46.298	+ 27.3	62.2	19 0 . .	. .		. .
	January 11, La.												
37	Sun I, N.	11	33 26.24	+ 0.97	-18.67	60 14 2.28	46.992	+ 1 41.3	62.7	19 33 8.54	+70.38	-21 24 54.9	. .
38	Sun II, S.	11	35 47.00	+ 0.97	-18.67	60 46 4.95	48.420	+ 1 43.6	62.7	19 35 29.30	-70.38	-21 57 30.5	. .
39	α Aquilæ	11	46 2.45	+ 1.18	-18.72	30 14 2.48	48.538	+ 33.9	63.0	19 45 . .	. .		. .
40	β Aquilæ	11	50 32.31	+ 1.16	-18.76	32 42 1.95	44.665	+ 37.3	63.4	19 50 . .	. .		. .
41	Mercury C, C. . . .	11	47 30.06	+ 1.00	-18.74	56 20 6.48	45.306	+ 1 27.2	62.7	20 47 12.32	+ 0.13	-17 30 14.4	. .
42	α Cephei	11	16 21.43	+ 1.90	[-18.74]	336 44 4.50	40.832	- 24.9	[63.1]	21 16 . .	. .		. .
43	β Aquarii	11	26 25.69	+ 1.08	-18.77	44 52 3.80	44.684	+ 57.9	62.3	21 26 . .	. .		. .
44	ε Pegasi	11	39 24.82	+ 1.18	-18.72	29 26 4.38	46.992	+ 32.9	63.1	21 39 . .	. .		. .
45	α Aquarii	11	0 47.10	+ 1.11	-18.72	39 40 5.42	44.253	+ 48.3	63.4	22 0 . .	. .		. .
46	Venus I, C.	5	32 2.74	+ 1.05	-18.74	49 28 2.75	46.128	+ 1 8.2	62.7	22 31 45.05	+ 0.61	-10 38 7.5	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
8 17 30	30.000	32.8	31.5	3. 37.	Bisections at I, II.	3	+ 7.9	+16 16.1	. .	+16 24.0
18 53	29.959	36.7	35.9	4. 38.	Bisections at VI, VII.	4	+ 7.8	-16 16.1	. .	-16 8.3
9 19 27	29.932	38.5	38.5	28.	Bisections at C ₂ , C ₃ , C ₁ .	7	+ 8.2	. . .	+ 0.4	+ 8.6
20 49	29.883	41.3	41.7	30.	Bisections at III, IV, V.	11	+ 7.0	. . .	+ 0.9	+ 7.9
21 27	29.876	44.5	43.2	42.	Bisections at II, VI, VII.	25	+ 0.1	. . .	. .	+ 0.1
22 53	29.862	44.1	42.6	45.	Bisections at I, VI, VII.	30	+24 12.4	+14 49.1	. .	+39 1.5
22 59	29.850	43.9	42.4			37	+ 7.8	-16 17.8	. .	-16 10.0
0 27	29.812	41.4	40.5			38	+ 7.8	+16 17.8	. .	+16 25.6
4 14	29.740	36.3	35.6			41	+ 8.6	. . .	+ 0.6	+ 9.2
4 39	29.734	36.0	35.4			46	+ 7.0	. . .	+ 0.9	+ 7.9
5 8	29.729	35.3	35.1							
10 1 11	29.676	45.0	46.2							
1 40	29.684	46.0	46.5							
17 30	29.532	38.9	38.7							
19 0	29.496	42.5	43.4							
11 19 35	29.492	44.3	44.3							
19 50	29.492	44.3	44.4							
20 47	29.500	44.6	43.7							
21 16	29.502	44.5	43.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus II	6	32 3.63	+ 1.05	-18.74					22 31 45.94	- 0.28		
2	ζ Pegasi	11	36 36.87	+ 1.19	-18.69	28 34 2.55	42.412	+ 31.8	62.4	22 36 . . .			
3	α Piscis Australis	11	52 15.75	+ 0.90	-18.83	69 0 3.48	42.020	+ 2 31.1	62.4	22 51 . . .			
4	α Pegasi	11	59 55.22	+ 1.22	-18.72	24 12 2.08	44.354	+ 26.3	62.7	22 59 . . .			
5	Moon I, S.	11	58 9.65	+ 1.26	-18.83	21 47 54.45	48.652	+ 23.8	61.4	1 57 52.08	+64.17	+ 17 1 55.4	
6	ξ ¹ Ceti	11	7 51.10	+ 1.17	-18.76	30 28 0.80	47.624	+ 34.9	60.2	2 7 . . .			
7	ξ ² Ceti	11	22 59.85	+ 1.17	-18.90	30 50 1.98	47.258	+ 35.5	60.6	2 22 . . .			
8	γ Ceti	11	38 16.83	+ 1.14	-18.89	36 2 1.20	46.424	+ 43.3	61.9	2 37 . . .			
9	α Ceti	11	57 12.77	+ 1.14	-18.82	35 10 4.80	43.078	+ 41.9	62.3	2 56 . . .			
10	ζ Arietis	11	9 17.94	+ 1.26	-18.90	18 12 1.12	42.154	+ 19.6	61.4	3 9 . . .			
11	ε Tauri	11	22 55.65	+ 1.25	-18.87	19 54 0.60	44.188	+ 21.7	61.1	4 22 . . .			
12	α Tauri	11	30 20.29	+ 1.23	-18.99	22 32 1.00	47.115	+ 24.9	60.9	4 30 . . .			
13	Mars I, S.	6	39 6.88	+ 1.30	-18.92	13 38 2.92	48.888	+ 14.6	61.4	4 38 49.26	+ 0.55	+ 25 11 51.5	
14	Mars II, N.	5	39 7.94	+ 1.30	-18.92	13 38 2.92	48.052	+ 14.6	61.4	4 38 50.32	+ 0.51	+ 25 12 7.3	
15	II Orionis	11	59 0.77	+ 1.22	-18.93	23 34 0.55	48.715	+ 26.1	61.4	4 58 . . .			
16	Neptune C, C.	6	8 49.30	+ 1.27	-18.93	17 22 1.15	44.289	+ 18.8	61.4	5 8 31.64		+ 21 29 17.2	
17	β Tauri	11	20 6.75	+ 1.33	-18.90	10 20 6.60	44.174	+ 11.0	62.3	5 19 . . .			
18	δ Ursæ Minoris S. P.	11	5 29.36	- 6.29	[-19.02]	305 30 4.98	42.720	- 1 23.4	[62.2]	18 5 . . .			
19	μ Geminorum	11	17 3.90	+ 1.28	-18.97	16 15 58.68	48.319	+ 17.5	61.7	6 16 . . .			
January 11, K.													
20	κ Ophiuchi	11	53 5.33	+ 1.16	-19.18	29 18 6.35	47.634	+ 34.1	62.6	16 52 . . .			
21	α ¹ Herculis	11	10 14.67	+ 1.20	-19.18	24 20 1.50	47.142	+ 27.4	62.5	17 9 . . .			
22	α Ophiuchi	11	30 26.87	+ 1.18	-19.27	26 12 1.18	48.215	+ 29.8	64.3	17 30 . . .			
23	μ Herculis	11	42 42.85	+ 1.31	-19.21	11 4 1.00	46.800	+ 11.9	63.2	17 42 . . .			
24	δ Ursæ Minoris	3	5 14.65	+ 8.64	[-19.21]	312 16 2.15	44.768	- 1 6.1	[62.5]	18 5 . . .			
January 12, K.													
25	Sun I, S.	11	37 46.55	+ 0.94	-19.30	60 36 1.55	48.570	+ 1 47.1	63.2	19 37 28.19	+70.24	- 21 47 29.8	
26	Sun II, N.	11	40 7.02	+ 0.94	-19.30	60 4 2.48	46.865	+ 1 44.8	63.2	19 39 48.66	-70.23	- 21 14 59.0	
27	γ Ceti	11	38 17.43	+ 1.23	-19.59	36 1 59.10	46.456	+ 44.6	61.6	2 37 . . .			
28	Moon I, S.	11	47 6.55	+ 1.39	-19.59	17 41 58.52	45.938	+ 19.6	61.1	2 46 48.35	+66.07	+ 21 8 47.3	
29	α Ceti	11	57 13.46	+ 1.23	-19.61	35 10 1.92	43.126	+ 43.2	61.6	2 56 . . .			
30	ζ Arietis	11	9 18.52	+ 1.36	-19.59	18 11 59.00	42.171	+ 20.2	60.2	3 9 . . .			
31	γ Tauri	11	14 16.03	+ 1.32	-19.63	23 28 2.52	45.122	+ 26.8	62.4	4 13 . . .			
32	ε Tauri	11	22 56.24	+ 1.34	-19.56	19 53 59.62	44.296	+ 22.3	62.8	4 22 . . .			
33	α Tauri	6	30 20.83	+ 1.32	-19.63	22 32 4.22	46.878	+ 25.6	61.6	4 30 . . .			
34	Mars I, N.	6	38 54.70	+ 1.40	-19.62	13 36 2.42	46.148	+ 15.0	61.9	4 38 36.48	+ 0.53	+ 25 11 29.5	
35	Mars II, S.	5	38 55.72	+ 1.40	-19.62	13 36 2.42	46.968	+ 15.0	61.9	4 38 37.50	- 0.49	+ 25 11 13.5	
36	ε Ursæ Minoris S. P.	8	56 44.04	- 2.20	[-19.55]	301 6 . . .				16 56 . . .			
37	II Orionis	11	59 1.39	+ 1.32	-19.65	23 33 58.28	48.836	+ 26.9	62.2	4 58 . . .			
38	Neptune C, C.	11	8 44.36	+ 1.36	-19.63	17 22 3.05	44.522	+ 19.3	61.9	5 8 26.09		+ 21 29 10.8	
39	β Tauri	11	20 7.14	+ 1.42	[-19.38]	10 20 1.72	44.314	+ 11.3	60.5	5 19 . . .			
January 17, B.													
40	α ¹ Herculis	11	10 18.86	+ 0.64	-22.66	24 20 18.52	46.361	+ 26.7	62.5	17 9 . . .			
41	α Ophiuchi	11	30 30.99	+ 0.63	-22.70	26 12 14.12	47.600	+ 29.0	63.4	17 30 . . .			
42	δ Ursæ Minoris	6	5 24.34	+ 2.87	[-22.67]	312 16 10.75	44.287	- 1 4.4	[61.7]	18 5 . . .			
43	α Lyrae	11	33 47.96	+ 0.70	-22.64	0 10 36.78	44.202	+ 0.2	63.5	18 33 . . .			
January 18, B.													
44	Sun I, S.	10	3 33.67	+ 0.57	-22.74	59 28 7.48	48.195	+ 1 39.6	63.1	20 3 11.50	+69.68	- 20 39 21.0	
45	ε Tauri	11	23 0.33	+ 0.69	-23.04	19 54 14.22	43.511	+ 21.8	61.8	4 22 . . .			
46	α Tauri	11	30 24.79	+ 0.69	-23.00	22 32 14.45	46.468	+ 25.1	61.8	4 30 . . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
11 22 36	29.528	44.3	42.6	5, 28.	Bisections at III, IV, V.	5	+20 1.0	+14 48.0	.	+34 49.0
22 59	29.539	44.0	42.3	13, 34.	Bisections at II, VI.	13	+ 2.9	+ 7.9	.	+ 10.8
1 58	29.624	38.0	36.5	14, 35.	Bisections at I, VII.	14	+ 2.9	- 7.9	0.0	- 5.0
3 9	29.642	35.7	34.4	18.	Bisections at C ₅ , C ₃ , C ₁ .	16	+ 0.1	.	.	+ 0.1
4 22	29.642	34.2	32.6	24, 42.	Bisections at C ₃ , C ₄ , C ₅ .	25	+ 7.8	+16 15.4	.	+16 23.2
4 39	29.640	33.6	32.5	25, 44.	Bisections at I, II.	26	+ 7.8	-16 15.4	.	-16 7.6
5 8	29.634	33.3	32.5	26, 33.	Bisections at VI, VII.	28	+16 23.5	+14 49.9	.	+31 13.4
5 15	29.639	33.4	32.7	34, 35.	Z. D. thread A used.	34	+ 2.9	- 8.0	.	- 5.1
16 56	29.786	29.3	28.2			35	+ 2.9	+ 8.0	0.0	+ 10.9
17 33	29.792	31.8	29.5			38	+ 0.1	.	.	+ 0.1
18 12	29.786	32.0	30.4			44	+ 7.7	+16 16.6	.	+16 24.3
12 19 40	29.782	31.8	29.5							
2 38	29.948	27.0	25.8							
3 9	29.950	26.2	25.5							
4 14	29.956	25.0	24.2							
5 20	29.958	24.0	23.3							
17 17 15	29.650	40.7	40.0							
17 55	29.660	42.3	40.5							
18 40	29.672	42.0	40.6							
18 20 3	29.684	42.1	40.7							
4 10	29.838	33.8	32.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.								
			m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	γ^1 Leonis	11	14 44.00	+ 0.51	-24.44	18 28 1.05	49.014	+ 19.9	50.2	10 14 . . .	. . .	. . .
2	ρ Leonis	11	27 49.42	+ 0.46	-24.40	29 0 2.02	46.829	+ 33.0	50.2	10 27 . . .	. . .	. . .
3	Jupiter J	4	44 39.22	+ 0.46	-24.44	29 30 . . .	. . .	. . .	. . .	10 44 15.24	+ 1.38	. . .
4	Jupiter II	7	44 41.99	+ 0.46	-24.44		. . .	. . .	. . .	10 44 18.01	- 1.39	. . .
5	Moon II, S.	11	8 31.21	+ 0.43	-24.45	37 0 3.18	47.330	+ 43.9	50.1	11 8 7.19	-66.55	+ 1 49 40.7
6	τ Leonis	11	23 4.35	+ 0.43	-24.47	35 24 3.20	48.771	+ 42.4	49.8	11 22 . . .	. . .	. . .
7	ν Leonis	11	32 6.35	+ 0.41	-24.46	39 4 3.65	50.661	+ 48.5	50.4	11 31 . . .	. . .	. . .
8	β Leonis	11	44 14.25	+ 0.48	-24.46	23 42 1.05	45.355	+ 26.2	49.7	11 43 . . .	. . .	. . .
9	4 H. Draconis	11	7 51.43	+ 1.58	[-24.44]	320 39 59.15	48.547	- 48.7	[50.5]	12 7 . . .	. . .	. . .
January 21, K.												
10	α Ophiuchi	11	30 33.20	+ 0.81	-24.99	26 12 4.85	47.470	+ 29.3	51.1	17 30 . . .	. . .	. . .
11	μ Herculis	11	42 49.29	+ 0.83	-24.94	11 4 5.45	46.035	+ 11.7	50.8	17 42 . . .	. . .	. . .
12	δ Ursæ Minoris . . .	5	5 27.28	+ 2.80	[-24.94]	312 16 3.15	44.217	- 4.8	[50.9]	18 5 . . .	. . .	. . .
13	α Lyrae	11	33 50.15	+ 0.85	-24.91	0 10 5.20	45.286	+ 0.2	51.5	18 33 . . .	. . .	. . .
January 22, K.												
14	Sun I, N.	11	20 30.19	+ 0.79	-25.04	58 4 4.78	42.730	+ 1 33.1	51.6	20 20 5.94	+69.20	- 19 13 38.5
15	Sun II, S.	11	22 48.59	+ 0.79	-25.04	58 36 5.95	43.895	+ 1 35.1	51.6	20 22 24.34	-69.20	- 19 46 7.2
16	α Piscis Australis . .	11	52 22.20	+ 0.78	-25.22	69 0 7.55	41.250	+ 2 29.3	51.4	22 51 . . .	. . .	. . .
17	Venus I, S.	11	18 8.68	+ 0.79	-25.15	44 2 3.10	45.104	+ 55.7	51.6	23 17 44.32	+ 0.65	5 11 46.8
18	θ Piscium	5	23 8.94	+ 0.80	-25.09	33 2 4.12	44.068	+ 37.5	53.1	23 22 . . .	. . .	. . .
19	ϵ Tauri	10	23 2.28	+ 0.60	-24.93	19 54 2.02	43.609	+ 21.1	50.7	4 22 . . .	. . .	. . .
20	α Tauri	11	30 26.85	+ 0.59	-24.99	22 32 0.95	46.630	+ 24.2	50.4	4 30 . . .	. . .	. . .
21	Mars I, S.	5	39 58.84	+ 0.62	-24.99	13 40 2.22	41.982	+ 14.2	50.4	4 39 34.47	+ 0.55	+ 25 8 38.6
22	Mars II, N.	6	39 59.87	+ 0.62	-24.99	13 40 2.22	41.178	+ 14.2	50.4	4 39 35.50	- 0.48	+ 25 8 54.2
23	ϵ Aurigæ	11	50 43.73	+ 0.65	-25.06	5 50 2.15	47.201	+ 6.0	51.2	4 50 . . .	. . .	. . .
24	ϵ Ursæ Minoris S. P.	7	56 49.01	- 0.71	[-25.01]	301 6 . . .	. . .	. . .	. . .	16 56 . . .	. . .	. . .
25	Π Orionis	11	59 7.36	+ 0.59	-24.95	23 34 2.28	48.095	+ 25.5	50.3	4 58 . . .	. . .	. . .
26	Neptune C, C. . . .	11	7 58.94	+ 0.61	-24.99	17 22 1.80	46.082	+ 18.3	50.4	5 7 34.56	. . .	+ 21 28 31.6
27	β Tauri	11	20 13.52	+ 0.63	-25.01	10 20 2.02	43.742	+ 10.7	49.5	5 19 . . .	. . .	. . .
28	ρ Leonis	11	27 50.01	+ 0.57	-25.08	29 0 4.45	46.734	+ 32.7	50.3	10 27 . . .	. . .	. . .
29	Jupiter I, N.	5	44 20.56	+ 0.57	-25.11	29 24 1.05	46.642	+ 33.4	50.1	10 43 56.02	+ 1.53	+ 9 23 36.4
30	Jupiter II, S.	6	44 23.63	+ 0.57	-25.11	29 24 1.05	44.282	+ 33.5	50.1	10 43 59.09	- 1.54	+ 9 22 51.2
31	δ Leonis	11	9 4.58	+ 0.61	-25.11	17 46 0.60	44.425	+ 19.1	49.3	11 8 . . .	. . .	. . .
32	τ Leonis	11	23 4.92	+ 0.56	-25.15	35 23 58.15	49.074	+ 42.4	50.4	11 22 . . .	. . .	. . .
33	ν Leonis	11	32 6.90	+ 0.55	-25.12	39 4 1.65	50.758	+ 48.5	50.1	11 31 . . .	. . .	. . .
34	β Leonis	11	44 14.90	+ 0.59	-25.19	23 42 1.10	45.344	+ 26.3	49.5	11 43 . . .	. . .	. . .
35	Moon II, S.	11	0 4.53	+ 0.55	-25.14	43 46 2.15	45.141	+ 57.4	50.1	11 59 39.94	-66.93	- 4 55 49.8
36	4 H. Draconis	11	7 51.55	+ 1.34	[-24.21]	320 40 . . .	. . .	. . .	. . .	12 7 . . .	. . .	. . .
37	γ Corvi	11	10 56.65	+ 0.50	-25.13	55 48 0.70	45.125	+ 1 28.2	51.1	12 10 . . .	. . .	. . .
38	η Virginis	11	15 4.34	+ 0.55	-25.10	38 55 58.52	45.850	+ 48.5	49.9	12 14 . . .	. . .	. . .
January 22, S.												
39	α^1 Herculis	11	10 21.63	+ 0.74	-25.41	24 20 3.65	46.442	+ 27.6	49.1	17 9 . . .	. . .	. . .
40	α Ophiuchi	11	30 33.68	+ 0.73	-25.37	26 12 3.92	47.448	+ 30.1	50.5	17 30 . . .	. . .	. . .
41	α Lyrae	11	33 50.70	+ 0.82	-25.41	0 10 2.00	45.453	+ 0.2	51.7	18 33 . . .	. . .	. . .
January 23, S.												
42	Sun I, N.	11	24 42.27	+ 0.66	-25.46	57 48 1.45	48.062	+ 1 36.3	51.1	20 24 17.47	+69.27	- 18 59 21.1
43	Sun II, S.	11	27 0.81	+ 0.66	-25.46	58 20 3.10	49.635	+ 1 38.4	51.1	20 26 36.01	-69.27	- 19 31 58.5
44	α Aquarii	11	0 54.28	+ 0.70	-25.50	39 40 3.70	43.718	+ 50.0	51.8	22 0 . . .	. . .	. . .
45	ζ Pegasi	11	36 44.05	+ 0.73	-25.46	28 34 3.18	41.813	+ 32.9	51.9	22 36 . . .	. . .	. . .
46	ι Cephei	11	46 22.69	+ 1.07	[-25.67]	333 12 2.18	44.838	- 30.3	[51.4]	22 45 . . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
21 10 0	29.594	35.0	34.4	5.	Bisections at III, IV, V.	5	+35 14.9	+16 2.8	.	+51 17.7
11 0	29.600	34.5	34.2	9.	Bisections at C ₁ , C ₂ , C ₃ .	14	+ 7.6	-16 14.3	.	-16 6.7
12 7	29.600	33.8	32.5	11, 16, 41, 45.	Bisections at II, VI, VII.	15	+ 7.7	+16 14.3	.	+16 22.0
17 30	29.662	36.2	35.1	12, 46.	Bisections at C ₁ , C ₃ , C ₅ .	17	+ 7.0	+ 9.7	.	+ 16.7
17 46	29.664	37.3	36.2	14, 42.	Bisections at I, II.	21	+ 2.6	+ 7.8	.	+ 10.4
18 36	29.650	43.5	40.3	15.	Bisection at VI.	22	+ 2.6	- 7.8	0.0	- 5.2
20 22	29.538	44.6	44.3	18, 43.	Bisections at VI, VII.	26	+ 0.1	.	.	+ 0.1
22 51	29.430	47.6	46.3	21, 30.	Bisections at I, VII.	29	+ 1.0	- 22.6	.	- 21.6
4 28	29.430	42.0	42.3	21, 22, 29, 30.	Z. D. thread A used.	30	+ 1.0	+ 22.6	.	+ 23.6
5 16	29.422	41.4	41.4	22, 29.	Bisections at II, VI.	35	+40 41.7	+16 6.7	.	+56 48.4
10 27	29.410	37.5	35.8	35.	Bisections at II, III, IV, V, VI.	42	+ 7.6	-16 18.7	.	-16 11.1
11 9	29.456	35.0	32.0			43	+ 7.6	+16 18.7	.	+16 26.3
11 44	29.470	32.0	29.3							
12 15	29.486	29.8	28.1							
17 14	29.672	26.0	23.8							
18 37	29.708	28.2	24.6							
20 27	29.712	29.5	26.4							
22 4	29.710	32.2	29.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Piscis Australis	10	52 22.75	+ 0.64	-25.64	69 0 2.12	41.226	+ 2 35.8	51.5	22 51 . .	. .		. .
2	α Pegasi	11	0 2.32	+ 0.74	-25.42	24 12 2.80	43.722	+ 27.1	51.2	22 59 . .	. .		. .
3	Venus I, S.	11	22 11.82	+ 0.70	-25.62	43 32 5.22	43.296	+ 57.1	51.1	23 21 47.00	+ 0.65	- 4 41 16.2	. .
4	γ Tauri	11	41 48.09	+ 0.83	-25.66	15 4 3.32	43.329	+ 16.3	49.2	3 41 . .	. .		. .
5	γ Tauri	11	14 22.49	+ 0.80	-25.66	23 28 3.55	44.450	+ 26.3	49.5	4 13 . .	. .		. .
6	ε Tauri	10	23 2.80	+ 0.81	-25.67	19 54 2.35	43.382	+ 22.0	49.0	4 22 . .	. .		. .
7	α Tauri	11	30 27.29	+ 0.81	-25.66	22 32 3.52	46.426	+ 25.2	50.1	4 30 . .	. .		. .
8	Mars I	6	40 22.37	+ 0.83	-25.65	13 42 . .	. .	. .	. .	4 39 57.55	+ 0.61		. .
9	Mars II	5	40 23.52	+ 0.83	-25.65		. .	. .	. .	4 39 58.70	- 0.54		. .
10	ι Aurigæ	11	50 44.05	+ 0.86	-25.59	5 50 2.85	47.090	+ 6.2	50.1	4 50 . .	. .		. .
11	ε Ursæ Minoris S. P.	8	56 49.88	- 0.82	-25.65	301 6 1.42	41.380	- 1 39.8	[48.9]	16 56 . .	. .		. .
12	Neptune C, C.	11	7 54.85	+ 0.82	-25.66	17 22 3.62	46.116	+ 19.0	49.6	5 7 30.01	. .	+ 21 28 27.7	. .
13	β Tauri	11	20 13.92	+ 0.84	-25.62	10 20 2.98	43.676	+ 11.1	49.6	5 19 . .	. .		. .
January 24, B.													
14	α Ursæ Minoris S. P.	8	21 39.45	- 18.91	-26.84	307 38 0.40	46.706	- 1 21.3	[51.5]	1 20 . .	. .		. .
15	ζ Virginis	11	29 53.43	+ 1.32	-26.83	38 54 1.90	47.258	+ 50.9	51.5	13 29 . .	. .		. .
16	Moon II, S.	11	47 48.07	+ 1.33	-26.78	56 20 0.82	48.708	+ 1 34.8	50.6	13 47 22.62	- 70.06	- 17 31 36.2	. .
17	β Bootis	11	58 29.89	+ 1.52	-26.75	358 4 2.42	44.448	- 2.1	51.0	14 58 . .	. .		. .
18	β Libræ	11	11 54.07	+ 1.31	-26.88	47 50 3.58	46.102	+ 1 9.9	49.9	15 11 . .	. .		. .
19	μ Bootis	11	21 1.79	+ 1.49	-26.82	1 6 3.02	48.985	+ 1.3	51.1	15 20 . .	. .		. .
20	α Coronæ Borealis	11	30 45.40	+ 1.42	-26.73	11 48 4.20	43.716	+ 13.3	49.9	15 30 . .	. .		. .
21	α Serpentis	11	39 37.70	+ 1.33	-26.86	32 6 4.58	44.216	+ 39.8	50.2	15 39 . .	. .		. .
January 24, S.													
22	μ Herculis	11	42 50.75	+ 1.06	-26.55	11 4 2.90	46.221	+ 12.4	51.3	17 42 . .	. .		. .
23	α Lyræ	11	33 51.64	+ 1.11	-26.60	0 10 2.82	45.461	+ 0.3	51.8	18 33 . .	. .		. .
January 25, S.													
24	Sun I, N.	11	33 4.31	+ 0.98	-26.66	57 20 5.05	43.285	+ 1 37.8	51.8	20 32 38.63	+ 68.95	- 18 29 53.9	. .
25	Sun II, S.	11	35 22.21	+ 0.98	-26.66	57 52 2.22	44.860	+ 1 39.8	51.8	20 34 56.53	- 68.95	- 19 2 26.8	. .
26	ε Pegasi	11	39 32.98	+ 1.02	-26.71	29 26 2.12	46.428	+ 35.3	52.1	21 39 . .	. .		. .
27	ι Cephei	7	46 23.62	+ 1.44	-27.02	333 12 2.40	44.913	- 31.4	[51.5]	22 45 . .	. .		. .
28	α Pegasi	5	0 3.29	+ 1.03	-26.69	24 12 . .	. .	. .	. .	22 59 . .	. .		. .
29	Venus I, S.	11	30 14.81	+ 1.00	-26.76	42 30 4.15	45.694	+ 1 57.1	51.8	23 29 49.05	+ 0.67	- 3 40 0.4	. .
30	α Andromedæ	11	3 29.43	+ 1.07	-26.79	10 20 2.95	43.470	+ 11.4	51.8	0 3 . .	. .		. .
31	γ Pegasi	11	8 21.85	+ 1.03	-26.81	24 14 4.68	44.766	+ 28.1	52.0	0 7 . .	. .		. .
32	γ Tauri	11	14 23.48	+ 1.04	-26.91	23 28 3.32	44.391	+ 27.4	49.3	4 13 . .	. .		. .
33	ε Tauri	11	23 3.76	+ 1.04	-26.88	19 54 3.62	43.335	+ 22.9	48.7	4 22 . .	. .		. .
34	α Tauri	11	30 28.31	+ 1.04	-26.92	22 32 4.10	46.299	+ 26.3	49.2	4 30 . .	. .		. .
35	Mars I, S.	6	41 18.72	+ 1.05	-26.87	13 42 3.85	43.650	+ 15.4	49.3	4 40 52.90	+ 0.56	+ 25 9 18.1	. .
36	Mars II, N.	5	41 19.76	+ 1.05	-26.87	13 42 3.85	42.888	+ 15.4	49.3	4 40 53.94	- 0.48	+ 25 9 32.5	. .
37	ι Aurigæ	11	50 45.04	+ 1.07	-26.81	5 50 2.75	47.034	+ 6.5	49.2	4 50 . .	. .		. .
38	ε Ursæ Minoris S. P.	8	56 51.10	- 0.60	-26.86	301 5 59.80	41.812	- 1 46.5	[49.4]	16 56 . .	. .		. .
39	Neptune C, C.	11	7 47.02	+ 1.05	-26.89	17 22 4.35	46.321	+ 19.8	49.3	5 7 21.18	. .	+ 21 28 21.9	. .
40	β Tauri	11	20 14.91	+ 1.06	-26.85	10 20 1.42	43.758	+ 11.6	50.2	5 19 . .	. .		. .
41	ρ Leonis	11	27 51.62	+ 1.03	-27.08	29 0 4.48	46.430	+ 35.2	48.1	10 27 . .	. .		. .
42	Jupiter I, S.	6	43 21.52	+ 1.03	-27.11	29 20 5.85	47.635	+ 35.7	49.2	10 42 55.44	+ 1.46	+ 9 29 39.4	. .
43	Jupiter II, N.	5	43 24.44	+ 1.03	-27.11	29 20 5.85	45.435	+ 35.7	49.2	10 42 58.36	- 1.46	+ 9 30 21.5	. .
44	δ Leonis	11	9 6.27	+ 1.03	-27.14	17 46 4.50	44.212	+ 20.4	50.2	11 8 . .	. .		. .
45	5 Ursæ Minoris	11	28 11.34	+ 1.38	-27.20	322 44 3.20	42.645	- 48.0	[52.5]	14 27 . .	. .		. .
46	Moon II, S.	11	46 10.14	+ 1.07	-27.24	61 26 5.78	41.453	+ 1 56.1	51.0	14 45 43.97	- 72.34	- 22 35 40.5	. .
47	β Libræ	11	11 54.76	+ 1.03	-27.26	47 50 6.68	45.959	+ 1 10.0	51.6	15 11 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
23	3	24	29.742	34.0	31.6	2.	Bisections at II, VI, VII.	3	+ 7.0	+ 9.8	. .	+ 16.8
	3	45	29.760	28.9	28.7	6, 25, 26, 41.	Bisections at VI, VII.	12	+ 0.1	. .	. .	+ 0.1
	5	11	29.734	28.3	27.6	10, 36, 43.	Bisections at I, VII.	16	+ 49 10.7	+ 16 9.9	. .	+ 65 20.6
24	13	10	29.742	10.6	9.7	11, 38.	Bisections at C ₅ , C ₃ , C ₁ .	24	+ 7.5	- 16 16.4	. .	- 16 8.9
	15	0	29.770	10.4	8.4	14.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .	25	+ 7.6	+ 16 16.4	. .	+ 16 24.0
	15	45	29.780	10.0	7.9	16.	Bisections at II, III, IV.	29	+ 6.9	+ 9.9	. .	+ 16.8
	17	48	29.801	12.3	10.5	18, 19, 24.	Bisections at I, II.	35	+ 2.6	+ 7.2	. .	+ 9.8
	18	41	29.798	14.6	10.9	27, 45, 46.	Bisections at III, IV, V.	36	+ 2.6	+ 7.2	0.0	- 4.6
25	20	35	29.750	14.0	11.4	35, 42.	Bisections at II, VI.	39	+ 0.1	. .	. .	+ 0.1
	21	44	29.712	15.5	13.3			42	+ 1.0	+ 21.0	. .	+ 22.0
	23	35	29.714	17.8	14.8			43	+ 1.0	- 21.1	. .	- 20.1
	0	11	29.704	16.3	13.9			46	+ 51 51.8	+ 16 9.4	. .	+ 68 1.2
	3	19	29.732	10.8	9.5							
	5	3	29.734	9.9	8.5							
	5	25	29.731	9.2	8.1							
	10	30	29.740	7.3	6.9							
	11	15	29.724	7.2	6.8							
	14	35	29.732	7.2	7.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	δ Scorpii	11	54 41.25	+ 1.04	-27.28	61 10 5.85	41.895	+ 1 54.9	49.8	15 54 . .	. .		. .
2	β ² Scorpii	11	59 53.52	+ 1.04	-27.28	58 22 5.95	41.706	+ 1 42.7	51.5	15 59 . .	. .		. .
January 25, K.													
3	α Ophiuchi	11	30 35.32	+ 1.08	-27.28	26 12 0.48	47.640	+ 31.1	51.1	17 30 . .	. .		. .
4	μ Herculis	9	42 51.45	+ 1.10	-27.27	11 4 4.55	46.161	+ 12.4	51.5	17 42 . .	. .		. .
5	α Lyrae	11	33 52.39	+ 1.12	-27.34	0 10 4.18	45.411	+ 0.3	51.9	18 33 . .	. .		. .
6	α Aquilæ	11	46 11.49	+ 1.08	-27.47	30 14 5.68	47.805	+ 36.5	52.4	19 45 . .	. .		. .
January 26, K.													
7	Sun I, S.	11	37 14.15	+ 1.10	-27.43	57 36 4.65	47.482	+ 1 37.8	51.4	20 36 47.82	+68.84	18 47 14.4	. .
8	Sun II, N.	11	39 31.82	+ 1.10	-27.43	57 4 5.28	45.522	+ 1 35.8	51.4	20 39 5.49	-68.83	18 14 38.9	. .
9	α Piscis Australis	11	52 24.25	+ 1.12	-27.63	69 0 5.18	40.760	+ 2 39.3	49.4	22 51 . .	. .		. .
10	α Pegasi	11	0 4.04	+ 1.08	-27.49	24 12 5.58	43.586	+ 27.7	51.1	22 59 . .	. .		. .
11	Venus I, S.	11	34 14.69	+ 1.08	-27.54	42 0 7.38	43.474	+ 55.3	51.4	23 33 48.23	-0.67	3 9 19.7	. .
12	γ Cephei	9	35 27.68	+ 1.58	-26.99	321 48 . .	. .	. .	. .	23 35 . .	. .		. .
13	ω Piscium	11	54 27.93	+ 1.08	-27.51	32 34 7.40	41.308	+ 39.2	52.1	23 54 . .	. .		. .
14	ε Tauri	11	23 4.55	+ 0.98	-27.62	19 54 2.75	43.489	+ 22.5	50.3	4 22 . .	. .		. .
15	α Tauri	11	30 29.00	+ 0.98	-27.56	22 31 59.85	46.566	+ 25.8	49.6	4 30 . .	. .		. .
16	Mars I, N.	6	41 51.72	+ 0.98	-27.58	13 38 2.52	44.238	+ 15.1	50.1	4 41 25.12	+ 0.49	25 9 53.9	. .
17	Mars II, S.	5	41 52.64	+ 0.98	-27.58	13 38 2.52	45.072	+ 15.1	50.1	4 41 26.04	-0.43	25 9 38.1	. .
18	ε Aurigæ	11	50 45.88	+ 0.98	-27.57	5 50 1.25	47.184	+ 6.4	50.6	4 50 . .	. .		. .
19	ε Ursæ Minoris s. p.	8	56 51.05	+ 0.29	-27.58	301 6 . .	. .	. .	. .	16 56 . .	. .		. .
20	11 Orionis	11	59 9.58	+ 0.98	-27.58	23 34 1.38	48.070	+ 27.1	50.4	4 58 . .	. .		. .
21	Neptune C, C.	11	7 43.62	+ 0.98	-27.58	17 22 1.22	46.654	+ 19.4	50.1	5 7 17.02	. .	+ 21 28 19.9	. .
22	β Tauri	11	20 15.68	+ 0.98	-27.55	10 20 3.68	43.622	+ 11.3	49.5	5 19 . .	. .		. .
January 28, K.													
23	α Ophiuchi	11	30 37.87	+ 0.99	-29.66	26 12 3.50	47.540	+ 30.8	51.4	17 30 . .	. .		. .
24	μ Herculis	11	42 53.98	+ 0.98	-29.60	11 4 4.35	46.172	+ 12.3	50.7	17 42 . .	. .		. .
25	Moon II	11	58 27.90	+ 1.07	-29.65	67 0 . .	. .	. .	. .	17 57 59.32	75.24		. .
26	δ Ursæ Minoris	7	5 33.90	+ 2.06	-29.64	312 16 2.72	44.558	+ 8.3	[51.7]	18 5 . .	. .		. .
27	α Lyrae	11	33 54.92	+ 0.98	-29.66	0 10 5.85	45.301	+ 0.3	50.6	18 33 . .	. .		. .
28	ζ Aquilæ	8	1 8.97	+ 0.99	-29.73	25 8 4.80	45.694	+ 29.2	51.2	19 0 . .	. .		. .
January 29, K.													
29	Sun I, N.	11	49 39.72	+ 1.04	-29.74	56 16 8.65	46.298	+ 1 32.5	51.1	20 49 11.02	+68.48	17 26 50.7	. .
30	Sun II, S.	11	51 56.67	+ 1.04	-29.74	56 48 4.50	47.925	+ 1 34.4	51.1	20 51 27.97	-68.47	17 59 23.2	. .
31	α Piscis Australis	11	52 26.51	+ 1.07	-29.85	69 0 3.62	40.808	+ 2 39.2	49.0	22 51 . .	. .		. .
32	α Pegasi	11	0 6.47	+ 0.99	-29.84	24 12 6.62	43.618	+ 27.7	52.3	22 59 . .	. .		. .
33	Venus I, S.	11	46 7.25	+ 1.01	-29.83	40 26 4.12	48.870	+ 52.5	51.1	23 45 38.43	-0.69	1 36 57.4	. .
34	α Andromedæ	11	3 32.45	+ 0.98	-29.76	10 20 2.95	43.508	+ 11.3	51.8	0 3 . .	. .		. .
35	γ Pegasi	11	8 24.89	+ 0.99	-29.85	24 14 6.35	44.700	+ 27.7	51.6	0 7 . .	. .		. .
36	α Tauri	11	30 31.32	+ 0.96	-29.89	22 32 4.52	46.374	+ 26.0	50.7	4 30 . .	. .		. .
37	Mars I, S.	5	43 46.56	+ 0.94	-29.90	13 36 1.90	46.948	+ 15.2	50.2	4 43 17.60	+ 0.77	+ 25 11 2.6	. .
38	Mars II, N.	6	43 47.98	+ 0.94	-29.90	13 36 1.90	46.680	+ 15.2	50.2	4 43 19.02	+ 0.65	+ 25 11 19.4	. .
39	ε Aurigæ	11	50 48.25	+ 0.92	-29.91	5 50 4.38	46.981	+ 6.5	50.0	4 50 . .	. .		. .
40	ε Ursæ Minoris s. p.	8	56 52.76	+ 1.28	-29.91	301 6 . .	. .	. .	. .	4 56 . .	. .		. .
41	11 Orionis	11	59 11.97	+ 0.96	-29.98	23 34 1.10	48.141	+ 27.3	51.6	4 58 . .	. .		. .
42	Neptune C, C.	11	7 34.15	+ 0.95	-29.91	17 22 1.32	47.089	+ 19.6	50.2	5 7 5.19	. .	+ 21 28 11.3	. .
43	β Tauri	11	20 18.00	+ 0.93	-29.84	10 20 4.00	43.530	+ 11.5	48.4	5 19 . .	. .		. .
January 29, P.													
44	γ Aquilæ	11	41 50.98	+ 1.02	-30.57	28 30 . .	. .	. .	. .	19 41 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
25	15	59	29.746	7.6	7.3	3, 8, 30.	Bisections at VI, VII.	7	+	7.6	-16	16 25.3
	17	30	29.762	10.8	9.9	7, 29.	Bisections at I, II.	8	+	7.5	-16	16 10.2
	18	33	29.786	13.8	12.3	16, 37.	Bisections at I, VII.	11	+	6.9	-	+ 16.9
26	19	46	29.790	16.4	14.6	16, 17, 37, 38.	Z. D. thread A used.	16	+	2.5	-	5.4
	20	39	29.756	18.0	16.8	17, 38.	Bisections at II, VI.	17	+	2.5	-	10.4
	22	52	29.740	22.5	20.7	26.	Bisections at C ₂ , C ₃ , C ₄ .	21	+	0.1	-	0.1
	23	54	29.754	23.6	22.0			29	+	7.5	-16	16.3
	4	23	29.752	17.5	17.6			30	+	7.5	+16	16.2
28	5	15	29.746	17.5	18.0			33	+	6.9	+10	10.3
	17	30	29.886	15.3	15.5			37	+	2.4	+	8.4
	18	33	29.930	18.2	17.7			38	+	2.4	-	8.4
	19	1	29.944	20.0	18.6			42	+	0.1	-	0.1
29	20	51	29.942	22.3	21.6							
	22	52	29.976	26.0	24.6							
	23	48	29.976	26.4	24.5							
	0	8	29.960	26.3	24.4							
	4	30	30.040	18.8	18.8							
	5	20	30.052	18.2	17.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
	January 30, P.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, S.	II	53 46.92	+ 1.13	-30.64	56 32 3.28	46.378	+ 1 33.8	50.8	20 53 17.41	+68.30	17 42 48.4	..
2	Sun II, N.	II	56 3.51	+ 1.13	-30.64	56 0 4.50	44.775	+ 1 31.9	50.8	20 55 34.00	-68.29	17 10 20.6	..
3	α Piscis Australis	II	52 27.32	+ 1.20	-30.79	69 0 2.62	40.891	+ 2 39.7	50.2	22 51 . . .	..	..	..
4	α Pegasi	II	0 7.34	+ 1.01	-30.74	24 12 7.12	43.511	+ 27.7	50.7	22 59 . . .	..	..	..
5	β Piscium	II	23 14.34	+ 1.04	-30.77	33 2 6.38	43.820	+ 40.1	51.1	23 22 . . .	..	..	..
6	γ Piscium	II	35 8.97	+ 1.04	-30.78	33 46 7.98	45.914	+ 41.2	51.3	23 34 . . .	..	..	..
7	Venus I, S.	II	50 2.75	+ 1.06	-30.78	39 56 3.92	46.206	+ 51.6	50.8	23 49 33.03	+ 0.70	1 6 5.5	..
8	ρ Leonis	II	27 55.69	+ 1.02	-31.04	29 0 3.25	46.748	+ 35.0	50.7	10 27 . . .	..	..	..
9	Jupiter I, N.	8	41 33.61	+ 1.02	-31.03	29 8 5.70	44.550	+ 35.2	50.8	10 41 3.60	+ 1.48	9 42 40.7	..
10	Jupiter II, S.	8	41 36.57	+ 1.02	-31.03	29 8 5.70	46.788	+ 35.2	50.8	10 41 6.56	- 1.48	9 41 57.9	..
11	l Leonis	10	44 22.96	+ 1.01	-31.01	27 44 7.18	49.065	+ 33.2	50.4	10 43 . . .	..	..	..
12	δ Leonis	II	9 10.33	+ 0.98	-31.02	17 46 18.68	43.514	+ 20.3	50.6	11 8 . . .	..	..	..
13	τ Leonis	II	23 10.55	+ 1.04	-31.07	35 26 2.65	42.569	+ 45.0	51.6	11 22 . . .	..	..	..
	February 3 P.												
14	ρ Leonis	II	27 58.43	+ 0.73	-33.42	29 0 2.52	46.814	+ 33.5	49.4	10 27 . . .	..	..	..
15	Jupiter I, S.	8	39 58.14	+ 0.72	-33.43	28 58 2.80	45.150	+ 33.5	49.5	10 39 25.43	+ 1.46	9 52 32.5	..
16	Jupiter II, N.	7	40 1.06	+ 0.72	-33.43	28 58 2.80	42.960	+ 33.5	49.5	10 39 28.35	- 1.46	9 53 14.6	..
17	l Leonis	II	44 25.77	+ 0.73	-33.46	27 44 2.55	49.404	+ 31.8	49.1	10 43 . . .	..	..	..
18	δ Leonis	II	9 13.03	+ 0.74	-33.39	17 46 2.40	44.359	+ 19.4	49.4	11 8 . . .	..	..	..
19	τ Leonis	II	23 13.34	+ 0.72	-33.45	35 26 4.12	42.554	+ 43.1	50.2	11 22 . . .	..	..	..
	February 3, B.												
20	μ Herculis	II	42 58.09	+ 0.71	-33.28	11 3 58.28	46.592	+ 12.0	51.1	17 42 . . .	..	..	..
21	δ Ursæ Minoris	8	5 39.35	+ 1.45	-33.26	312 15 59.08	44.640	+ 6.4	[49.7]	18 5 . . .	..	..	..
22	α Lyrae	II	33 58.89	+ 0.72	-33.23	0 9 58.68	45.789	+ 0.2	51.1	18 33 . . .	..	..	..
23	β Lyrae	II	46 48.62	+ 0.71	-33.28	5 35 58.72	47.550	+ 6.0	51.3	18 46 . . .	..	..	..
24	ζ Aquilæ	II	1 12.95	+ 0.70	-33.30	25 8 1.70	46.015	+ 28.4	51.1	19 0 . . .	..	..	..
25	Mercury II, C.	II	42 13.21	+ 0.69	-33.32	57 46 0.48	47.849	+ 1 35.6	51.3	19 41 40.58	0.31	18 57 16.9	..
26	α Aquilæ	II	46 17.96	+ 0.70	-33.42	30 14 1.95	48.088	+ 35.2	51.6	19 45 . . .	..	..	..
	February 4, B.												
27	Sun I, S.	II	14 8.29	+ 0.69	-33.34	55 6 2.02	42.730	+ 1 25.9	51.3	21 13 35.64	+67.82	16 15 28.8	..
28	Sun II, N.	II	16 23.93	+ 0.69	-33.34	54 34 2.28	41.070	+ 1 24.2	51.3	21 15 51.28	-67.82	15 42 59.2	..
29	Moon I, S.	II	22 41.10	+ 0.70	-33.37	40 16 2.05	45.517	+ 50.8	51.3	23 22 8.43	+62.37	1 25 49.1	..
30	α Andromedæ	II	3 36.30	+ 0.71	-33.40	10 20 1.70	43.570	+ 11.0	50.6	0 3 . . .	..	..	..
31	Venus I, S.	II	9 20.56	+ 0.70	-33.38	37 22 3.22	46.804	+ 45.9	51.3	0 8 47.88	- 0.73	1 27 49.9	..
32	ε Piscium	II	58 8.95	+ 0.70	-33.40	31 30 2.35	46.122	+ 36.9	51.6	0 57 . . .	..	..	..
33	β Andromedæ	10	4 30.59	+ 0.71	-33.34	3 44 . . .	..	..	..	1 3 . . .	..	..	..
34	η Ceti	II	19 25.86	+ 0.69	-33.44	47 34 2.00	41.860	+ 1 5.7	52.0	1 18 . . .	..	..	..
35	γ Tauri	II	14 30.25	+ 0.73	-33.48	23 28 1.45	44.598	+ 26.5	50.1	4 13 . . .	..	..	..
36	ε Tauri	II	23 10.58	+ 0.74	-33.51	19 54 0.48	43.604	+ 22.1	49.8	4 22 . . .	..	..	..
37	α Tauri	II	30 35.08	+ 0.74	-33.51	22 32 8.82	46.115	+ 25.3	49.1	4 30 . . .	..	..	..
38	Mars I, C.	6	48 47.30	+ 0.74	-33.50	13 36 1.95	43.360	+ 14.8	49.6	4 48 14.54	0.48	25 15 26.4	..
39	Mars II	5	48 48.18	+ 0.74	-33.50	..	..	..	..	4 48 15.42	- 0.40	..	..
40	Neptune C, C.	9	7 17.35	+ 0.74	-33.50	17 22 0.62	47.511	+ 19.1	49.6	5 6 44.59	..	21 28 3.8	..
41	β Tauri	II	20 21.72	+ 0.75	-33.44	10 19 59.55	43.819	+ 11.2	49.4	5 19 . . .	..	..	..
42	α Leporis	II	28 45.87	+ 0.71	-33.51	56 43 58.65	43.350	+ 1 32.9	49.9	5 28 . . .	..	..	..
43	α Orionis	II	50 10.63	+ 0.73	-33.56	31 28 0.35	42.674	+ 37.4	49.6	5 49 . . .	..	..	..
44	δ Ursæ Minoris S. P.	II	5 42.23	+ 1.05	-33.50	305 30 0.62	42.025	+ 1 25.3	[49.7]	18 5 . . .	..	..	..
45	79 Draconis S. P.	II	52 2.58	+ 0.31	-33.46	292 5 58.95	47.394	+ 2 30.0	[51.5]	21 51 . . .	..	..	..
46	α Leonis	II	3 28.63	+ 0.73	-33.58	26 21 59.05	47.014	+ 30.6	50.2	10 2 . . .	..	..	..
47	γ ¹ Leonis	II	14 53.18	+ 0.74	-33.58	18 27 57.05	49.168	+ 20.7	49.4	10 14 . . .	..	..	..

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
30 20 56	30.234	25.0	24.5	1, 24, 27.	Bisections at I, II.	1	+ 7.5	+16 13.9	..	+16 21.4
22 52	30.230	28.0	27.3	2, 11, 28.	Bisections at VI, VII.	2	+ 7.4	-16 13.8	..	-16 6.4
23 50	30.230	29.0	27.8	9, 15.	Bisections at I, VII.	7	+ 6.9	+ 10.4	..	+ 17.3
10 27	30.338	20.0	19.0	10, 16.	Bisections at II, VI.	9	+ 1.0	+ 21.4	..	+ 20.4
11 23	30.340	18.5	17.6	21.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	10	+ 1.0	+ 21.4	..	+ 22.4
12 23	29.768	31.0	30.1	29.	Bisections at III, IV, V.	15	+ 1.0	+ 21.0	..	+ 22.0
17 50	29.776	30.0	28.9	42.	Bisections at V, VI, VII.	16	+ 1.0	+ 21.1	..	+ 20.1
18 25	29.894	29.7	28.7	44.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .	25	+ 9.5	..	0.1	+ 9.4
19 30	29.934	34.5	32.5			27	+ 7.3	+16 14.8	..	+16 22.1
20 30	29.936	36.2	34.4			28	+ 7.3	-16 14.8	..	-16 7.5
21 16	29.932	36.7	35.2			29	+ 35 39.8	+15 7.0	..	+50 46.8
23 0	29.928	37.6	36.0			31	+ 6.8	+ 10.9	..	+ 17.7
0 15	29.942	37.0	35.4			38	+ 2.3	..	0.0	+ 2.3
1 10	29.953	36.8	35.4			40	+ 0.1	..	..	+ 0.1
4 10	30.018	31.0	30.3							
5 30	30.036	30.0	29.0							
6 20	30.050	29.0	28.3							
10 10	30.052	26.1	24.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
1	ρ Leonis	11	m s 27 58.57	+ 0.73	-33.54	29 0 1.38	46.875	+ 34.3	50.2	10 27 . .			
2	Jupiter I, S.	6	39 32.65	+ 0.73	-33.58	28 54 1.08	49.210	+ 34.1	49.8	10 38 59.80	+ 1.46	+ 9 55 16.1	
3	Jupiter II, N.	5	39 35.58	+ 0.73	-33.58	28 54 1.08	47.085	+ 34.1	49.8	10 39 2.73	- 1.47	+ 9 55 56.9	
4	ι Leonis	11	44 25.92	+ 0.73	-33.59	27 44 0.60	49.484	+ 32.5	49.3	10 43 . .			
	February 9, K.												
5	α Ceti	11	57 29.46	+ 0.77	-35.51	35 10 5.95	42.554	+ 42.4	52.3	2 56 . .			
6	ζ Arietis	11	9 34.57	+ 0.77	-35.41	18 12 2.08	41.564	+ 19.8	50.2	3 8 . .			
7	Moon I, S.	11	16 52.57	+ 0.79	-35.50	15 40 1.02	41.266	+ 17.0	50.8	3 16 17.86	+ 67.11	+ 23 8 51.5	
8	ϵ Eridani	11	28 40.68	+ 0.77	-35.61	48 38 0.00	46.581	+ 1 8.4	51.8	3 28 . .			
9	η Tauri	11	41 57.71	+ 0.77	-35.46	15 4 1.82	43.436	+ 16.3	49.3	3 41 . .			
10	ζ Ursæ Minoris s. p.	11	48 18.41	+ 0.40	[-35.28]	296 59 59.70	43.125	- 1 57.4	[50.6]	15 47 . .			
11	α Tauri	11	30 36.94	+ 0.77	-35.47	22 32 0.68	46.664	+ 25.1	51.2	4 30 . .			
12	ι Aurigæ	11	50 53.79	+ 0.78	-35.47	5 50 3.50	47.059	+ 6.2	50.5	4 50 . .			
13	Mars I, N.	6	54 2.55	+ 0.77	-35.47	13 28 3.40	43.438	+ 14.6	50.8	4 53 27.85	+ 0.39	+ 25 20 9.5	
14	Mars II, S.	5	54 3.26	+ 0.77	-35.47	13 28 3.40	44.122	+ 14.6	50.8	4 53 28.56	- 0.32	+ 25 19 56.6	
15	ϵ Ursæ Minoris s. p.	6	57 0.87	+ 0.24	[-35.47]	301 6 . .				16 56 . .			
16	ι Orionis	11	59 17.56	+ 0.77	-35.51	23 34 21.85	47.000	+ 26.4	50.6	4 58 . .			
17	Neptune C, C.	11	7 5.88	+ 0.77	-35.47	17 22 3.05	47.496	+ 19.0	50.8	5 6 31.18		+ 21 28 3.0	
18	β Orionis	11	10 11.66	+ 0.77	-35.46	47 10 4.05	42.864	+ 1 5.1	50.6	5 9 . .			
19	β Tauri	11	20 23.64	+ 0.77	-35.44	10 20 2.32	43.760	+ 11.1	51.0	5 19 . .			
	February 12, P.												
20	Mercury C, C.	11	4 42.83	+ 0.74	-37.38	58 32 1.50	42.678	+ 1 38.2	49.9	20 4 6.19	- 0.10	- 19 41 42.7	
21	γ Cygni	11	19 7.49	+ 0.81	-37.38	358 56 3.80	44.070	- 1.1	49.9	20 18 . .			
22	α Cygni	11	38 30.55	+ 0.83	-37.41	353 56 2.15	47.058	- 6.3	49.5	20 37 . .			
	February 13, P.												
23	Sun I, N.	11	49 53.87	+ 0.75	-37.43	51 40 7.40	42.058	+ 1 15.5	49.9	21 49 17.19	+ 66.79	- 12 49 12.3	
24	Sun II, S.	11	52 7.45	+ 0.75	-37.43	52 12 2.78	43.168	+ 1 17.0	49.9	21 51 30.77	- 66.79	- 13 21 34.1	
25	γ Cephei	11	35 37.71	+ 1.17	[-37.60]	321 48 . .				23 35 . .			
26	α Andromedæ	11	3 40.22	+ 0.79	-37.47	10 20 8.12	43.215	+ 10.9	48.7	0 3 . .			
27	γ Pegasi	11	8 32.63	+ 0.77	-37.47	24 14 6.20	44.672	+ 26.8	50.0	0 7 . .			
28	β Ceti	11	39 2.39	+ 0.74	-37.57	57 24 3.28	41.198	+ 1 32.6	51.6	0 38 . .			
29	Venus I, S.	11	42 50.57	+ 0.76	-37.52	32 50 6.05	46.139	+ 38.3	49.9	0 42 13.81	+ 0.79	+ 6 0 6.0	
30	Moon I, N.	11	2 40.81	+ 0.83	-37.73	13 24 3.90	46.405	+ 14.5	48.7	7 2 3.91	+ 71.13	+ 25 26 25.6	
31	δ Geminorum	11	14 37.85	+ 0.81	-37.72	16 40 5.20	46.375	+ 18.2	48.3	7 14 . .			
32	λ Ursæ Minoris s. p.	5	24 57.98	- 4.66	[-37.76]	307 50 . .				19 24 . .			
33	α^2 Geminorum	11	28 41.60	+ 0.82	-37.81	6 44 7.90	45.061	+ 7.2	49.2	7 28 . .			
34	β Geminorum	11	39 40.65	+ 0.82	-37.81	10 34 1.70	46.400	+ 11.4	48.7	7 39 . .			
35	ρ Leonis	11	28 2.90	+ 0.80	-37.81	29 0 2.70	46.798	+ 33.8	48.9	10 27 . .			
36	Jupiter I, N.	6	35 31.33	+ 0.80	-37.84	28 30 5.35	41.365	+ 33.1	48.7	10 34 54.29	+ 1.42	+ 10 21 42.1	
37	Jupiter II, S.	5	35 34.18	+ 0.80	-37.84	28 30 5.35	43.602	+ 33.1	48.7	10 34 57.14	- 1.43	+ 10 20 59.3	
38	ι Leonis	11	44 30.17	+ 0.80	-37.76	27 44 1.00	49.465	+ 32.1	48.2	10 43 . .			
	February 14, S.												
39	ι Aurigæ	11	50 56.25	+ 0.73	-37.96	5 50 0.75	47.226	+ 6.0	50.7	4 50 . .			
40	Mars I, C.	6	0 10.98	+ 0.72	-37.95	13 26 2.12	44.199	+ 13.8	50.4	4 59 33.75	+ 0.46	+ 25 25 11.9	
41	Mars II	5	0 11.82	+ 0.72	-37.95					4 59 34.59	- 0.38		
42	Neptune C, C.	11	6 58.38	+ 0.72	-37.95	17 22 4.80	47.380	+ 18.1	50.4	5 6 21.15		+ 21 28 4.0	
43	β Tauri	11	20 26.13	+ 0.72	-37.96	10 20 4.90	43.638	+ 10.6	50.9	5 19 . .			
44	ν Orionis	11	2 20.82	+ 0.72	-37.93	24 4 5.90	44.299	+ 25.9	50.5	6 1 . .			
45	δ Ursæ Minoris s. p.	7	5 48.44	+ 0.22	[-37.96]	305 30 3.38	41.572	- 1 20.7	[50.6]	18 5 . .			
46	μ Geminorum	11	17 23.36	+ 0.72	-37.99	16 16 4.80	47.400	+ 17.0	50.1	6 16 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°						' "	' "	"	' "
4 10 50	30.074	25.8	24.3	2, 13, 36.	Bisections at I, VII.			2	+ 1.0	+ 20.4	.	+ 21.4
9 2 57	29.928	35.8	34.4	3, 14, 37.	Bisections at II, VI.			3	+ 1.0	- 20.4	.	- 19.4
3 50	29.934	34.2	33.5	7.	Bisections at II, III, IV, V, VI.			7	+ 14 34.7	+ 14 50.1	.	+ 29 24.8
4 31	29.936	33.8	33.1	7, 13, 14.	Z. D. thread A used.			13	+ 2.2	+ 6.5	0.0	+ 4.3
5 10	29.934	33.7	32.6	16, 24, 27.	Bisections at VI, VII.			14	+ 2.2	+ 6.4	.	+ 8.6
12 20 4	29.910	36.5	34.7	23.	Bisections at I, II.			17	+ 0.1	.	.	+ 0.1
20 38	29.910	37.0	35.5	30.	Bisections at III, IV, V.			20	+ 8.1	.	- 0.2	+ 7.9
13 21 52	29.920	38.3	37.2	45.	Bisections at C ₄ , C ₃ , C ₂ .			23	+ 7.0	- 16 10.9	.	- 16 3.9
0 8	29.904	41.5	40.2					24	+ 7.1	+ 16 10.8	.	+ 16 17.9
0 42	29.916	42.0	40.6					29	+ 6.7	+ 11.9	.	+ 18.6
7 2	29.960	32.0	30.8					30	+ 12 59.0	- 15 26.2	.	- 2 27.2
7 39	29.964	31.5	30.7					36	+ 1.0	- 21.4	.	- 20.4
10 44	29.916	29.0	28.4					37	+ 1.0	+ 21.4	.	+ 22.4
14 4 46	29.784	51.7	52.2					40	+ 2.0	.	0.0	+ 2.0
5 53	29.782	49.6	51.7					42	+ 0.1	.	.	+ 0.1

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Geminorum . . .	11	39 40.97	+ 0.72	-38.04	10 34 5.35	46.335	+ 10.9	50.7	7 39 . . .	.	.	.
2	ϕ Geminorum . . .	11	47 51.78	+ 0.72	-38.00	11 48 5.65	48.018	+ 12.3	50.6	7 47 . . .	.	.	.
3	Moon I, N.	11	0 33.79	+ 0.74	-38.01	16 41 59.10	45.298	+ 17.6	50.4	7 59 56.52	+70.30	+ 22 8 50.3	.
4	η Cancri	11	27 25.28	+ 0.72	-38.02	18 2 3.28	49.472	+ 19.2	50.0	8 26 . . .	.	.	.
5	α Leonis	11	3 33.24	+ 0.72	-38.06	26 22 5.22	46.865	+ 29.2	51.6	10 2 . . .	.	.	.
6	γ^1 Leonis	11	14 57.74	+ 0.72	-37.99	18 28 3.85	48.872	+ 19.7	49.9	10 14 . . .	.	.	.
7	ρ Leonis	11	28 3.25	+ 0.72	-38.07	29 0 4.52	46.840	+ 32.6	50.2	10 27 . . .	.	.	.
8	Jupiter I, S. . . .	6	35 2.82	+ 0.72	-38.06	28 26 5.00	47.108	+ 31.9	50.4	10 34 25.48	+ 1.53	+ 10 23 55.3	.
9	Jupiter II, N. . . .	5	35 5.88	+ 0.72	-38.06	28 26 5.00	44.925	+ 31.9	50.4	10 34 28.54	- 1.53	+ 10 24 37.1	.
10	l Leonis	11	44 30.56	+ 0.72	-38.06	27 44 5.20	49.382	+ 31.0	49.6	10 43 . . .	.	.	.
February 16, K.													
11	β Ceti	11	39 3.61	+ 0.64	-38.71	57 24 1.22	41.398	+ 31.1	52.1	0 38 . . .	.	.	.
12	Venus I, S.	11	53 38.14	+ 0.66	-38.66	31 20 4.60	42.020	+ 35.6	51.7	0 53 0.14	+ 0.83	+ 7 28 15.7	.
13	β Andromedæ . . .	11	4 35.69	+ 0.70	-38.60	3 47 50.70	40.749	+ 3.9	51.3	1 3 . . .	.	.	.
14	θ^1 Ceti	8	19 31.00	+ 0.65	-38.68	47 34 . . .	.	.	.	1 18 . . .	.	.	.
15	α Ursæ Minoris . .	5	21 6.48	+ 5.04	-37.79	310 6 4.32	46.072	- 1 9.0	[50.7]	1 20 . . .	.	.	.
16	ι Aurigæ	8	50 56.80	+ 0.69	-38.51	5 50 1.18	47.110	+ 6.1	50.6	4 50 . . .	.	.	.
17	ϵ Ursæ Minoris S. P.	7	57 5.25	+ 0.09	-38.48	301 6 . . .	.	.	.	16 56 . . .	.	.	.
18	Π Orionis	11	59 20.70	+ 0.67	-38.65	23 34 0.62	48.240	+ 25.9	51.2	4 58 . . .	.	.	.
19	Mars I, S.	5	2 51.60	+ 0.68	-38.62	13 21 59.18	40.340	+ 14.1	50.7	5 2 13.66	+ 0.43	+ 25 27 13.6	.
20	Mars II, N.	6	2 52.38	+ 0.68	-38.62	13 21 59.18	39.775	+ 14.1	50.7	5 2 14.44	- 0.35	+ 25 27 24.6	.
21	Neptune C, C. . . .	11	6 56.19	+ 0.68	-38.62	17 22 2.25	47.244	+ 18.6	50.7	5 6 18.25	.	+ 21 28 8.9	.
22	β Tauri	11	20 26.81	+ 0.69	-38.64	10 20 2.85	43.659	+ 10.8	49.4	5 19 . . .	.	.	.
23	δ Orionis	11	27 24.43	+ 0.65	-38.67	39 12 1.32	47.889	+ 48.3	51.7	5 26 . . .	.	.	.
24	ϵ Leonis	7	40 41.24	+ 0.68	-38.65	14 36 1.62	45.320	+ 15.7	48.4	9 40 . . .	.	.	.
25	Moon I, N.	11	51 38.32	+ 0.53	-38.63	27 6 8.18	41.856	+ 30.8	48.6	9 51 0.22	+68.10	+ 11 42 17.0	.
26	α Leonis	11	3 33.91	+ 0.66	-38.65	26 22 2.58	46.834	+ 29.8	48.9	10 2 . . .	.	.	.
27	γ^1 Leonis	11	14 58.42	+ 0.68	-38.61	18 28 2.02	48.854	+ 20.1	47.7	10 14 . . .	.	.	.
28	ρ Leonis	11	28 3.85	+ 0.66	-38.59	29 0 1.60	46.896	+ 33.4	49.0	10 27 . . .	.	.	.
29	226 B. Cephei S. P.	11	31 0.00	+ 0.23	-38.65	294 34 . . .	.	.	.	22 30 . . .	.	.	.
30	Jupiter I, N. . . .	5	34 5.78	+ 0.66	-38.63	28 18 1.95	41.190	+ 32.4	48.6	10 33 27.81	+ 1.54	+ 10 30 34.3	.
31	Jupiter II, S. . . .	6	34 8.87	+ 0.66	-38.63	28 18 1.95	43.515	+ 32.5	48.6	10 33 30.90	- 1.55	+ 10 29 49.7	.
32	l Leonis	11	44 31.23	+ 0.66	-38.64	27 44 2.05	49.484	+ 31.7	49.0	10 43 . . .	.	.	.
February 17, S.													
33	ι Aurigæ	11	50 57.40	+ 0.67	-39.11	5 50 2.00	47.188	+ 5.9	51.3	4 50 . . .	.	.	.
34	Π Orionis	11	59 21.17	+ 0.66	-39.12	23 34 2.70	48.176	+ 25.0	51.1	4 58 . . .	.	.	.
35	Mars I, C.	6	4 14.58	+ 0.66	-39.13	13 22 3.00	46.920	+ 13.7	51.3	5 3 36.11	+ 0.53	+ 25 28 19.8	.
36	Mars II, ...	5	4 15.54	+ 0.66	-39.13	.	.	.	.	5 3 37.07	- 0.43	.	.
37	Neptune C, C. . . .	11	6 55.40	+ 0.66	-39.13	17 22 6.58	47.081	+ 18.0	51.3	5 6 16.93	.	+ 21 28 8.9	.
38	β Tauri	11	20 27.26	+ 0.66	-39.08	10 20 2.05	43.808	+ 10.5	51.2	5 19 . . .	.	.	.
39	δ Ursæ Minoris S. P.	8	5 50.65	+ 0.37	-39.15	305 30 5.38	41.558	- 1 20.0	[53.6]	18 5 . . .	.	.	.
40	μ Geminorum	11	17 24.65	+ 0.66	-39.25	16 16 3.82	47.618	+ 16.8	51.7	6 16 . . .	.	.	.
41	α Leonis	11	3 34.58	+ 0.66	-39.32	26 22 4.95	46.925	+ 28.6	51.8	10 2 . . .	.	.	.
42	γ^1 Leonis	11	14 59.05	+ 0.66	-39.21	18 28 3.00	48.966	+ 19.3	50.1	10 14 . . .	.	.	.
43	ρ Leonis	11	28 4.64	+ 0.66	-39.37	29 0 4.70	46.922	+ 32.0	51.2	10 27 . . .	.	.	.
44	Jupiter I, S. . . .	6	33 37.15	+ 0.66	-39.32	28 18 5.12	44.385	+ 31.1	51.3	10 32 58.49	+ 1.61	+ 10 32 49.1	.
45	Jupiter II, N. . . .	5	33 40.38	+ 0.66	-39.32	28 18 5.12	42.090	+ 31.1	51.3	10 33 1.72	- 1.62	+ 10 33 33.1	.
46	Moon II, S.	11	47 18.51	+ 0.66	-39.32	34 13 57.65	44.877	+ 39.3	51.3	10 46 39.85	-67.53	+ 4 36 39.0	.
47	δ Leonis	11	9 19.27	+ 0.66	-39.29	17 46 3.68	44.434	+ 18.5	50.9	11 8 . . .	.	.	.
48	τ Leonis	11	23 19.64	+ 0.65	-39.41	35 26 4.20	42.834	+ 41.1	52.0	11 22 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, IV, VII, except as noted below.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°						' "	' "	"	' "
14 6 23	29.781	48.6	49.1	3, 46.	Bisections at III, IV, V.				3	+16 20.8	-15 39.3	+ 0 41.5
7 51	29.774	45.7	45.2	6.	Bisections at II, VI, VII.				8	+ 0.9	+ 20.9	+ 21.8
8 32	29.772	44.9	44.2	8, 20, 31, 44.	Bisections at II, VI.				9	+ 0.9	- 20.9	- 20.0
10 8	29.782	43.3	43.5	9, 19, 30, 45.	Bisections at I, VII.				12	+ 6.6	+ 12.3	+ 18.9
10 41	29.772	42.5	42.2	12, 19, 20, 25, 30, 31.	Z. D. thread A used.				19	+ 2.0	+ 5.5	+ 7.5
16 0 39	29.612	45.6	43.3	15.	Bisections at C ₃ , C ₄ , D ₁ , D ₃ .				20	+ 2.0	- 5.5	- 3.5
1 19	29.614	45.8	43.5	16, 24.	Bisections at VI, VII.				21	+ 0.1	.	+ 0.1
4 50	29.696	39.5	38.8	25.	Bisections at II, III, IV, V, VI.				25	+ 26 41.9	-16 3.6	+10 38.3
5 27	29.710	39.2	38.5	39.	Bisections at C ₅ , C ₃ , C ₁ .				30	+ 0.9	- 22.3	- 21.4
9 40	29.774	34.0	32.6	40.	Bisections at I, II.				31	+ 0.9	+ 22.3	+ 23.2
10 44	29.778	33.5	32.1						35	+ 2.0	.	+ 2.0
17 4 45	29.623	54.5	53.4						37	+ 0.1	.	+ 0.1
5 46	29.606	53.1	52.0						44	+ 0.9	+ 22.0	+ 22.9
7 6	29.588	52.1	50.4						45	+ 0.9	- 22.0	- 21.1
9 59	29.565	49.9	48.4						46	+ 33 15.9	+16 12.5	+49 28.4
10 54	29.568	49.8	48.0									
11 30	29.571	50.0	48.4									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	February 18, K.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	δ Aquilæ	11	20 57.73	+ 0.53	-39.73	35 56 4.80	45.020	+ 43.7	50.8	19 20 . . .			
2	γ Aquilæ	8	42 0.99	+ 0.56	-39.74	28 30 4.05	42.008	+ 32.7	49.7	19 41 . . .			
3	α Aquilæ	11	46 24.78	+ 0.55	-39.80	30 14 3.72	48.059	+ 35.2	51.0	19 45 . . .			
4	Mercury C, C. . . .	11	31 5.69	+ 0.45	-39.76	58 8 3.05	42.629	+ 1 36.4	50.6	20 30 26.38	- 0.07	19 17 40.9	
	February 19, K.												
5	Sun I, S.	11	13 9.55	+ 0.48	-39.77	50 6 4.10	44.672	+ 1 11.5	50.6	22 12 30.26	+ 66.27	11 15 54.4	
6	Sun II, N.	11	15 22.09	+ 0.48	-39.77	49 34 5.72	43.012	+ 1 10.1	50.6	22 14 42.80	- 66.27	10 43 26.5	
7	α Andromedæ	11	3 42.70	+ 0.64	-39.83	10 20 3.80	43.599	+ 10.9	50.7	0 3 . . .			
8	Venus I, S.	11	4 13.61	+ 0.56	-39.80	29 52 2.72	47.321	+ 34.3	50.6	1 3 34.37	+ 0.86	8 54 36.1	
9	α Ursæ Minoris . . .	6	20 58.97	+ 11.95	[-39.77]	310 6 4.72	46.157	- 1 10.2	[49.5]	1 20 . . .			
10	η Piscium	11	26 37.77	+ 0.58	-39.73	24 2 6.32	43.952	+ 26.5	50.9	1 25 . . .			
11	ι Aurigæ	8	50 58.15	+ 0.71	-39.93	5 50 1.08	47.072	+ 6.2	49.8	4 50 . . .			
12	ε Ursæ Minoris s. p.	8	57 7.49	+ 0.36	[-39.99]	301 6 . . .	. . .	. . .	. . .	16 56 . . .			
13	11 Orionis	11	59 21.90	+ 0.68	-39.90	23 34 2.02	48.119	+ 26.3	50.5	4 58 . . .			
14	Neptune C, C. . . .	10	6 53.86	+ 0.69	-39.99	17 22 1.15	46.970	+ 18.9	49.8	5 6 14.56		21 28 13.0	
15	β Orionis	11	10 16.31	+ 0.65	-40.13	47 9 59.82	43.089	+ 1 4.9	49.9	5 9 . . .			
16	β Tauri	11	20 28.11	+ 0.70	-40.00	10 20 2.10	43.701	+ 11.0	49.7	5 19 . . .			
17	γ Corvi	11	11 12.30	+ 0.59	-40.17	55 48 1.85	45.248	+ 1 29.8	50.0	12 10 . . .			
18	η Virginis	11	15 19.91	+ 0.62	-40.05	38 56 2.40	45.835	+ 49.4	50.2	12 14 . . .			
19	β Corvi	11	29 40.25	+ 0.58	-40.13	61 38 0.50	48.445	+ 1 53.0	49.8	12 29 . . .			
20	Moon II, S.	11	34 4.08	+ 0.61	-40.08	47 59 58.45	43.090	+ 1 8.0	49.8	12 33 24.61	- 68.56	9 12 32.8	
21	32 ^a H. Camelopardalis	5	49 12.94	+ 2.22	[-39.84]	314 52 . . .	. . .	. . .	. . .	12 48 . . .			
22	α Canum Venat. . . .	11	51 54.55	+ 0.73	-39.96	359 58 1.25	48.294	. . .	48.2	12 51 . . .			
	February 22, S.												
23	Mercury C, C. . . .	11	51 30.47	+ 0.56	-42.32	57 26 2.85	43.889	+ 1 30.4	48.4	20 50 48.71	- 0.06	18 36 1.2	
24	ζ Cygni	11	9 14.27	+ 0.66	-42.33	9 4 2.02	41.385	+ 9.3	48.2	21 8 . . .			
	February 23, S.												
25	Sun I, N.	11	28 27.97	+ 0.57	-42.39	48 5 59.50	46.082	+ 1 4.6	48.4	22 27 46.15	+ 65.86	9 16 12.2	
26	Sun II, S.	11	30 39.68	+ 0.57	-42.39	48 38 0.92	46.890	+ 1 5.8	48.4	22 29 57.86	- 65.85	9 48 34.0	
27	α Andromedæ	11	3 45.28	+ 0.66	-42.45	10 20 4.28	43.489	+ 10.6	48.2	0 3 . . .			
28	γ Pegasi	11	8 37.78	+ 0.62	-42.51	24 14 4.82	44.830	+ 26.2	48.6	0 7 . . .			
29	β Andromedæ	11	4 39.58	+ 0.68	-42.55	3 46 2.85	46.298	+ 3.9	48.9	1 3 . . .			
30	Venus I, S.	11	18 1.61	+ 0.61	-42.53	28 4 5.30	45.360	+ 32.3	48.4	1 17 19.69	0.90	10 46 26.1	
31	α Ursæ Minoris . . .	5	21 3.08	+ 7.97	[-42.53]	310 6 3.42	46.060	- 1 8.6	[49.0]	1 20 . . .			
32	β Arietis	11	49 39.21	+ 0.63	-42.51	18 32 3.22	46.166	+ 19.5	48.1	1 48 . . .			
33	α Arietis	11	2 4.32	+ 0.64	-42.55	15 52 4.10	45.441	+ 16.6	48.4	2 1 . . .			
34	11 Orionis	11	59 24.75	+ 0.59	-42.72	23 34 3.98	47.951	+ 25.8	48.7	4 58 . . .			
35	Neptune C, C. . . .	11	6 54.28	+ 0.61	-42.74	17 22 3.65	46.305	+ 18.5	48.2	5 6 12.15		21 28 23.1	
36	Mars I, C.	6	13 8.82	+ 0.62	-42.74	13 16 4.00	46.622	+ 14.0	48.2	5 12 26.70	+ 0.46	25 34 21.2	
37	Mars II	5	13 9.66	+ 0.62	-42.74		. . .	. . .	. . .	5 12 27.54	- 0.38		
38	β Tauri	11	20 30.83	+ 0.62	-42.70	10 20 3.80	43.530	+ 10.8	47.9	5 19 . . .			
39	δ Orionis	11	27 28.58	+ 0.56	-42.83	39 12 4.25	47.608	+ 48.2	48.5	5 26 . . .			
40	ν Orionis	11	2 25.67	+ 0.59	-42.77	24 4 4.40	44.228	+ 26.4	47.9	6 1 . . .			
41	δ Ursæ Minoris s. p.	6	5 57.44	+ 1.62	[-42.77]	305 30 1.48	41.553	- 1 22.4	[48.1]	18 5 . . .			
42	α Leonis	11	3 38.21	+ 0.59	-42.84	26 22 3.80	46.792	+ 49.7	49.0	10 2 . . .			
43	γ ^a Leonis	11	15 2.72	+ 0.60	-42.77	18 28 3.72	48.756	+ 20.0	47.5	10 14 . . .			
44	ρ Leonis	11	28 8.29	+ 0.58	-42.88	29 0 4.45	46.722	+ 33.2	48.0	10 27 . . .			
45	Jupiter I, N.	6	30 43.92	+ 0.58	-42.84	27 58 3.55	48.750	+ 31.8	48.2	10 30 1.66	+ 1.47	10 51 22.0	
46	Jupiter II, S. . . .	5	30 46.86	+ 0.58	-42.84	27 58 3.55	50.935	+ 31.8	48.2	10 30 4.60	- 1.47	10 50 39.5	
47	ι Leonis	11	44 35.59	+ 0.59	-42.86	27 44 4.50	49.334	+ 31.5	48.2	10 43 . . .			
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
18 19 20	30.022	36.2	34.5	1, 2, 6, 11, 19, 26.				4	+	7.3	-	0.3	+ 7.0
20 34	30.036	39.8	36.6	Bisections at VI, VII.				5	+	6.8	+ 16	14.0	+ 16 20.8
19 22 15	30.028	41.2	38.9	5, 25.				6	+	6.8	- 16	13.9	- 16 7.1
0 3	30.034	42.3	40.5	8, 20.				7	+	6.8			
1 6	30.040	44.0	41.5	9.				8	+	6.6	+	12.7	+ 19.3
1 29	30.050	44.0	42.0	14, 45.				14	+	0.1			+ 0.1
4 50	30.118	38.5	37.4	20.				20	+	44 24.2	+ 16	20.7	+ 60 44.9
5 17	30.120	38.2	36.8	31.				23	+	6.9	-	0.2	+ 6.7
12 17	30.154	31.0	30.4	Bisections at II, III, IV, V, VI.				25	+	6.6	- 16	10.9	- 16 4.3
12 51	30.148	31.3	30.1	41.				26	+	6.7	+ 16	10.8	+ 16 17.5
22 20 57	29.569	48.6	47.1	46.				30	+	6.5	+	13.3	+ 19.8
23 22 30	29.582	48.0	46.9	Bisection at VII.				35	+	0.1			+ 0.1
0 12	29.616	48.0	45.9					36	+	1.9		0.0	+ 1.9
1 55	29.623	47.6	45.7					45	+	0.9	-	21.2	- 20.3
5 5	29.696	41.4	40.1					46	+	0.9	+	21.3	+ 22.2
5 57	29.714	40.0	39.8										
7 12	29.710	38.0	37.5										
8 30	29.725	36.9	36.4										
10 9	29.733	34.9	34.4										
10 44	29.750	34.5	34.4										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.									
			MEAN THREAD.	Instru- ment.									Clock.								
		m	s	s	s	°	'	''	rev.	'	''	''	h	m	s	s	°	'	''	''	
1	Uranus C, C.	11	48	6.57	+ 0.53	-42.97	58	32	3.80	47.720	+	1 38.5	47.9	15	47	24.13	. .	- 19	43	24.0	. .
2	δ Scorpii	8	54	58.50	+ 0.53	-43.01	61	10	4.05	42.420	+	1 49.4	47.9	15	54	. .	. .	. .	. .	. .	. .
3	Saturn I, N.	6	56	23.70	+ 0.54	-42.97	57	2	3.38	43.010	+	1 32.9	47.9	15	55	41.27	+ 0.67	- 18	11	48.9	. .
4	Saturn II, S.	5	56	25.04	+ 0.54	-42.97	57	2	3.38	43.790	+	1 33.0	47.9	15	55	42.61	- 0.67	- 18	12	4.4	. .
5	β ¹ Scorpii	11	0	10.70	+ 0.53	-42.97	58	22	3.02	42.175	+	1 37.8	49.3	15	59	. .	. .	. .	. .	. .	. .
6	α Scorpii	11	23	49.28	+ 0.52	-42.94	65	2	3.85	42.668	+	2 9.4	46.4	16	23	. .	. .	. .	. .	. .	. .
7	Moon II, S.	11	33	34.95	+ 0.54	-42.98	66	42	3.12	43.362	+	2 19.8	47.9	16	32	52.51	-75.18	- 27	52	41.2	. .
February 23, La.																					
8	γ Aquilæ	11	42	4.25	+ 0.64	-42.97	28	30	2.65	42.085	+	33.0	49.6	19	41	. .	. .	. .	. .	. .	. .
9	α Aquilæ	11	46	28.04	+ 0.64	-43.04	30	13	57.68	48.266	+	35.4	48.8	19	45	. .	. .	. .	. .	. .	. .
10	Mercury C, C.	11	56	51.69	+ 0.60	-43.04	57	11	59.18	45.072	+	1 33.7	49.1	20	56	9.25	- 0.05	- 18	22	22.7	. .
11	ε Pegasi	11	39	49.97	+ 0.64	-43.08	29	26	4.40	46.515	+	34.1	50.2	21	39	. .	. .	. .	. .	. .	. .
February 24, La.																					
12	Sun I, S.	11	32	15.78	+ 0.61	-43.06	48	16	0.85	46.520	+	1 7.5	49.1	22	31	33.33	+ 65.79	- 9	26	24.1	. .
13	Sun II, N.	11	34	27.35	+ 0.61	-43.06	47	44	1.15	45.065	+	1 6.2	49.1	22	33	44.90	-65.78	- 8	53	59.0	. .
14	α Pegasi	11	0	20.09	+ 0.65	-43.12	24	12	4.52	43.742	+	27.0	49.0	22	59	. .	. .	. .	. .	. .	. .
15	α Andromedæ	11	3	45.91	+ 0.68	-43.10	10	20	6.88	43.369	+	11.0	48.8	0	3	. .	. .	. .	. .	. .	. .
16	β Andromedæ	11	4	40.01	+ 0.70	-43.00	3	46	3.55	46.241	+	4.0	48.5	1	3	. .	. .	. .	. .	. .	. .
17	α Ursæ Minoris	6	21	3.60	+ 7.44	[-43.09]	310	6	3.40	46.207	-	1 10.4	[49.5]	1	20	. .	. .	. .	. .	. .	. .
18	Venus I, S.	11	21	24.26	+ 0.64	-43.10	27	36	4.52	47.688	+	31.2	49.1	1	20	41.80	+ 0.91	+ 11	13	44.1	. .
19	β Arietis	11	49	39.75	+ 0.66	-43.10	18	32	6.90	45.999	+	20.0	48.9	1	48	. .	. .	. .	. .	. .	. .
20	α Arietis	11	2	4.91	+ 0.66	-43.17	15	52	3.85	45.462	+	17.0	48.8	2	1	. .	. .	. .	. .	. .	. .
21	α Tauri	11	30	44.52	+ 0.62	-43.13	22	32	2.40	46.508	+	24.9	49.3	4	30	. .	. .	. .	. .	. .	. .
22	ι Aurigæ	11	51	1.25	+ 0.66	-43.07	5	50	4.00	46.958	+	6.2	49.1	4	50	. .	. .	. .	. .	. .	. .
23	11 Orionis	11	59	25.06	+ 0.62	-43.08	23	34	0.98	48.109	+	26.2	49.0	4	58	. .	. .	. .	. .	. .	. .
24	Neptune C, C.	11	6	54.36	+ 0.63	-43.10	17	22	3.35	46.198	+	18.8	49.1	5	6	11.89	. .	+ 21	28	26.1	. .
25	Mars I, S.	6	14	43.28	+ 0.64	-43.10	13	16	2.02	44.148	+	14.2	49.1	5	14	0.82	+ 0.34	+ 25	35	11.2	. .
26	Mars II, N.	5	14	43.90	+ 0.64	-43.10	13	16	2.02	43.548	+	14.2	49.1	5	14	1.44	- 0.28	+ 25	35	22.9	. .
27	β Tauri	11	20	31.16	+ 0.65	-43.08	10	20	6.62	43.405	+	11.0	48.5	5	19	. .	. .	. .	. .	. .	. .
28	δ Orionis	11	27	28.84	+ 0.59	-43.13	39	12	1.95	47.744	+	48.9	49.7	5	26	. .	. .	. .	. .	. .	. .
29	α Ursæ Minoris S. P.	4	21	20.55	- 9.63	[-43.27]	307	38	0.45	46.203	-	1 17.8	[49.6]	13	20	. .	. .	. .	. .	. .	. .
30	η Bootis	11	50	31.69	+ 0.58	[-43.28]	19	56	1.10	46.002	+	21.9	[48.2]	13	49	. .	. .	. .	. .	. .	. .
February 25, S.																					
31	α Leonis	11	3	39.25	+ 0.66	-43.95	26	22	4.35	46.741	+	29.5	48.3	10	2	. .	. .	. .	. .	. .	. .
32	γ ¹ Leonis	11	15	3.92	+ 0.67	-44.02	18	28	2.32	48.838	+	19.9	47.7	10	14	. .	. .	. .	. .	. .	. .
33	Psyche	8	22	55.47	+ 0.66	-44.02	28	18	2.90	44.785	+	32.0	47.8	10	22	12.11	. .	+ 10	32	37.7	. .
34	Jupiter I, N.	6	29	45.63	+ 0.66	-44.02	27	54	3.32	42.895	+	31.5	47.8	10	29	2.27	+ 1.52	+ 10	57	15.6	. .
35	Jupiter II, S.	5	29	48.68	+ 0.66	-44.02	27	54	3.32	45.125	+	31.5	47.8	10	29	5.32	- 1.53	+ 10	56	32.7	. .
36	ι Leonis	11	44	36.71	+ 0.66	-44.03	27	44	4.05	49.355	+	31.3	47.9	10	43	. .	. .	. .	. .	. .	. .
37	δ Leonis	11	9	24.12	+ 0.67	-44.05	17	46	2.80	44.272	+	19.1	47.7	11	8	. .	. .	. .	. .	. .	. .
38	γ Cephei S. P.	4	35	44.22	+ 0.16	[-43.52]	295	56	. .	. .	. .	. .	. .	23	35	. .	. .	. .	. .	. .	. .
39	β ¹ Leonis	11	44	34.46	+ 0.66	-44.07	23	42	5.48	45.148	+	26.2	47.7	11	43	. .	. .	. .	. .	. .	. .
40	α ¹ Herculis	11	10	41.42	+ 0.64	-44.09	24	20	3.80	46.596	+	27.4	47.3	17	9	. .	. .	. .	. .	. .	. .
41	η Serpentis	11	16	43.11	+ 0.60	-44.19	41	46	0.35	45.055	+	53.2	47.8	18	15	. .	. .	. .	. .	. .	. .
42	α Lyrae	11	34	10.30	+ 0.70	-43.99	0	10	6.10	45.486	+	0.2	48.4	18	33	. .	. .	. .	. .	. .	. .
43	Moon II	11	41	56.40	+ 0.58	-44.10	65	58	. .	. .	. .	. .	. .	18	41	12.88	-73.54	. .	. .	. .	. .
February 26, B.																					
44	α Leonis	11	3	39.75	+ 0.68	-44.46	26	22	2.28	46.866	+	30.7	49.8	10	2	. .	. .	. .	. .	. .	. .
45	32 Ursæ Majoris	11	11	22.68	+ 1.06	[-44.55]	333	14	1.00	46.454	-	31.0	[50.4]	10	10	. .	. .	. .	. .	. .	. .
46	γ ¹ Leonis	6	15	4.35	+ 0.70	-44.48	18	28	1.98	48.800	+	20.7	48.9	10	14	. .	. .	. .	. .	. .	. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.																					
Time.	Barom.	Att. Ther.	Ex. Ther.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.											
d h m	in.	°	°				'	''	'	''	'	''									
23 15 33	29.874	33.4	32.1	2, 12.	Bisections at I, II.	1	+	0.4	. .	. .	+	0.4									
16 38	29.923	32.3	31.4	3.	Bisection at VI.	3	+	0.8	- 7.7	. .	-	6.9									
19 42	30.017	33.1	31.3	4.	Bisection at VII.	4	+	0.8	+ 7.8	. .	+	8.6									
20 56	30.034	37.1	33.2	7.	Bisections at II, III, IV, V, VI.	7	+	53 57.1	+ 16 4.0	. .	+ 70	1.1									
22 34	30.000	37.1	35.0	13, 33, 46.	Bisections at VI, VII.	10	+	6.8	. .	- 0.2	+	6.6									
23 0 3	29.987	37.3	36.3	17.	Bisections at C ₅ , D ₁ , D ₂ .	12	+	6.7	+ 16 12.5	. .	+ 16	19.2									
0 3	29.972	39.9	37.7	25, 35.	Bisections at I, VII.	13	+	6.6	- 16 12.5	. .	- 16	5.9									
1 21	29.963	41.4	39.4	26, 34.	Bisections at II, VI.	18	+	6.4	+ 13.5	. .	+	19.9									
2 2	29.955	42.2	40.4	29.	Bisections at C ₃ , C ₄ , C ₅ .	24	+	0.1	. .	. .	+	0.1									
4 30	29.966	39.8	37.9			25	+	1.8	+ 5.9	. .	+	7.7									
5 14	29.970	39.1	37.4			26	+	1.8	- 5.8	. .	-	4.0									
5 27	29.971	38.9	37.3			33	+	1.9	. .	. .	+	1.9									
13 13	29.862	32.0	31.7			34	+	0.9	- 21.4	. .	-	20.5									
10 17	29.764	37.6	37.9			35	+	0.9	+ 21.5	. .	+	22.4									
11 14	29.770	37.1	36.9																		
11 49	29.784	36.8	35.8																		
17 16	29.860	32.4	31.3																		
18 48	29.882	42.0	41.3																		
26 10 0	30.034	25.8	23.5																		

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.	
			m	s	Instrument.	Clock.									
1	Psyche	8	22	8.81	+ 0.67	-44.47	28 14 2.98	40.815	+ 33.2	49.6	10 21 25.01	.	+ 10 37 55.9	.	
2	Jupiter I, N.	6	29	16.60	+ 0.67	-44.47	27 50 2.22	46.340	+ 32.7	49.6	10 28 32.80	+ 1.53	+ 11 0 11.2	.	
3	Jupiter II, S.	5	29	19.66	+ 0.67	-44.47	27 50 2.22	48.560	+ 32.7	49.6	10 28 35.86	- 1.53	+ 10 59 28.6	.	
4	α Ursæ Majoris	8	58	10.88	+ 1.00	[-44.33]	336 32 1.25	49.290	- 26.7	[50.5]	10 57 . . .	.	.	.	
5	δ Leonis	11	9	24.47	+ 0.70	-44.42	17 46 5.82	44.155	+ 19.9	49.4	11 8 . . .	.	.	.	
6	τ Leonis	11	23	24.88	+ 0.65	-44.53	35 26 7.08	42.488	+ 44.1	50.4	11 22 . . .	.	.	.	
7	γ Cephei S. P.	11	35	45.45	+ 0.30	[-44.31]	295 56 3.82	47.662	- 2 6.2	[45.7]	23 35 . . .	.	.	.	
8	β Leonis	11	44	34.82	+ 0.68	-44.44	23 42 0.05	45.458	+ 27.3	49.4	11 43 . . .	.	.	.	
February 26, La.															
9	δ Aquilæ	11	21	2.73	+ 0.79	-44.80	35 56 6.35	44.851	+ 45.4	48.9	19 20 . . .	.	.	.	
10	Moon II.	11	42	16.78	+ 0.75	-44.80	63 8 . . .	.	.	.	19 41 32.73	- 71.11	.	.	
11	β Aquilæ	11	50	59.45	+ 0.80	-44.77	32 42 5.70	43.922	+ 40.2	50.2	19 50 . . .	.	.	.	
12	Mercury C, C.	11	13	24.57	+ 0.74	-44.86	56 24 1.52	42.416	+ 1 33.8	49.2	21 12 40.45	- 0.04	- 17 33 34.1	.	
13	ε Pegasi	11	39	51.65	+ 0.81	-44.90	29 26 5.48	46.350	+ 35.3	49.1	21 39 . . .	.	.	.	
February 27, La.															
14	Sun I, N.	11	43	36.35	+ 0.76	-44.91	46 36 2.32	47.072	+ 1 5.9	49.2	22 42 52.20	+ 65.58	- 7 46 34.5	.	
15	Sun II, S.	10	45	47.50	+ 0.76	-44.91	47 10 4.98	41.680	+ 1 7.2	49.2	22 45 3.35	- 65.57	- 8 18 58.8	.	
16	α Pegasi	11	0	21.73	+ 0.82	-44.92	24 12 5.68	43.729	+ 28.0	50.6	22 59 . . .	.	.	.	
17	α Andromedæ	11	3	47.58	+ 0.88	-44.98	10 20 7.62	43.321	+ 11.4	48.6	0 3 . . .	.	.	.	
18	γ Pegasi	11	8	40.05	+ 0.82	-44.99	24 14 3.60	44.822	+ 28.0	48.7	0 7 . . .	.	.	.	
19	β Andromedæ	7	4	41.80	+ 0.91	-45.03	3 46 2.10	46.342	+ 4.1	48.6	1 3 . . .	.	.	.	
20	α Ursæ Minoris	11	20	58.21	+ 12.85	[-45.02]	310 6 1.90	46.498	- 1 13.1	[48.5]	1 20 . . .	.	.	.	
21	Venus I, S.	11	31	22.83	+ 0.82	-44.96	26 16 2.35	47.334	+ 30.6	49.2	1 30 38.69	+ 0.95	+ 12 33 53.7	.	
22	β Arietis	11	49	41.45	+ 0.84	-45.01	18 32 3.70	46.136	+ 20.8	48.9	1 48 . . .	.	.	.	
23	α Arietis	11	2	6.46	+ 0.85	-44.95	15 52 3.75	45.471	+ 17.6	49.3	2 1 . . .	.	.	.	
24	II Orionis	11	59	26.75	+ 0.70	-44.90	23 34 1.28	47.968	+ 27.1	47.5	4 58 . . .	.	.	.	
25	Neptune C, C.	5	6	56.10	+ 0.72	-44.87	17 22 4.58	45.558	+ 19.4	48.2	5 6 11.95	.	+ 21 28 35.6	.	
26	Mars I, C.	5	19	35.42	+ 0.74	-44.86	13 14 4.68	41.809	+ 14.6	48.2	5 18 51.30	+ 0.42	+ 25 37 52.2	.	
27	Mars II	6	19	36.18	+ 0.74	-44.86	.	.	.	.	5 18 52.06	- 0.34	.	.	
28	δ Orionis	11	27	30.39	+ 0.64	-44.78	39 12 0.18	47.718	+ 50.6	49.1	5 26 . . .	.	.	.	
29	ε Orionis	11	31	45.03	+ 0.64	-44.85	40 6 3.80	45.994	+ 52.2	48.5	5 31 . . .	.	.	.	
30	α Orionis	11	50	21.72	+ 0.67	-44.87	31 28 0.48	42.580	+ 38.0	47.7	5 49 . . .	.	.	.	
31	δ Ursæ Minoris S. P.	11	6	2.89	+ 3.82	[-44.87]	305 30 3.32	41.718	- 1 26.6	[49.6]	18 5 . . .	.	.	.	
32	μ Geminorum	11	17	30.06	+ 0.73	-44.87	16 16 4.80	47.234	+ 18.2	48.2	6 16 . . .	.	.	.	
33	ε Leonis	11	40	47.60	+ 0.73	-45.02	14 36 3.10	45.259	+ 16.4	48.7	9 40 . . .	.	.	.	
34	μ Leonis	11	47	41.64	+ 0.74	-44.97	12 22 2.08	43.540	+ 13.8	48.7	9 46 . . .	.	.	.	
35	γ Leonis	11	15	4.72	+ 0.72	-44.86	18 28 2.48	48.755	+ 21.0	47.5	10 14 . . .	.	.	.	
36	Psyche	9	21	22.53	+ 0.68	-44.93	28 8 3.28	43.039	+ 33.5	48.2	10 20 38.28	.	+ 10 43 11.3	.	
37	Jupiter I, N.	6	28	47.47	+ 0.68	-44.93	27 48 2.62	43.405	+ 33.0	48.2	10 28 3.22	+ 1.55	+ 11 3 5.4	.	
38	Jupiter II, S.	5	28	50.56	+ 0.68	-44.93	27 48 2.62	45.605	+ 33.0	48.2	10 28 6.31	- 1.54	+ 11 2 23.2	.	
39	l Leonis	11	44	37.55	+ 0.68	-44.87	27 44 3.35	49.322	+ 32.9	48.1	10 43 . . .	.	.	.	
40	δ Leonis	11	9	24.97	+ 0.72	-44.93	17 46 2.40	44.242	+ 20.1	47.9	11 8 . . .	.	.	.	
March 1, La.															
41	α Leonis	11	3	41.66	+ 0.67	-46.36	26 22 . . .	.	.	.	10 2 . . .	.	.	.	
42	γ Leonis	11	15	6.28	+ 0.68	-46.37	18 28 2.92	48.848	+ 20.1	48.8	10 14 . . .	.	.	.	
43	Jupiter I, N.	6	27	50.07	+ 0.66	-46.38	27 42 3.90	44.170	+ 31.6	48.7	10 27 4.35	+ 1.56	+ 11 8 51.3	.	
44	Jupiter II, S.	5	27	53.18	+ 0.66	-46.38	27 42 3.90	46.345	+ 31.6	48.7	10 27 7.46	- 1.55	+ 11 8 9.7	.	
45	l Leonis	11	44	39.02	+ 0.66	-46.31	27 44 5.20	49.324	+ 31.6	48.6	10 43 . . .	.	.	.	
46	δ Leonis	11	9	26.52	+ 0.69	-46.43	17 46 4.25	44.221	+ 19.3	48.6	11 8 . . .	.	.	.	
47	τ Leonis	11	23	26.80	+ 0.65	-46.42	35 26 . . .	.	.	.	11 22 . . .	.	.	.	
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.															
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d	h m	in.	°	°						/' "	/' "	''	/' "		
26	10 50	30.940	25.6	23.5	2, 38, 44.	Bisections at II, VI.				1	+	1.9	.	+	1.9
12	0	30.060	24.0	21.6		Bisections at I, VII.				2	+	0.9	-	-	20.4
19	21	30.216	21.4	20.4	3, 37, 43.	Bisections at I, VII.				3	+	0.9	+ 21.3	+	22.2
19	55	30.230	22.8	20.8	4, 15.	Bisections at I, VII.				12	+	6.5	.	+	6.3
21	13	30.255	25.8	21.6	14.	Bisections at I, II.				14	+	6.5	-16 12.2	-	5.7
27	22 45	30.258	27.8	22.7		Bisections at C ₂ , C ₃ , C ₄ .				15	+	6.5	+16 12.1	+16	18.6
	0 3	30.228	28.3	24.6	20, 31.					21	+	6.4	+	14.0	20.4
	1 31	30.208	27.8	25.5						25	+	0.1	.	.	0.1
	2 2	30.202	28.4	26.5						26	+	1.8	.	0.0	1.8
	4 59	30.216	26.8	25.1						36	+	1.9	.	.	1.9
	5 19	30.218	25.9	24.9						37	+	0.9	-	21.1	20.2
	9 47	30.238	21.4	20.8						38	+	0.9	-	21.1	22.0
	10 28	30.242	21.0	21.3						43	+	0.9	-	20.8	19.9
	11 9	30.243	20.7	20.8						44	+	0.9	+	20.8	21.7
1	10 3	30.056	37.0	37.3											
	10 27	30.046	37.1	37.2											
	11 23	30.028	36.9	36.7											

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	4 H. Draconis	11	8 16.90	+ 1.31	[-46.55]	320 40 2.80	47.952	- 48.9	[50.2]	12 7 . .	. . .	. . .	. . .
	March 1, S.												
2	α Cygni	11	38 40.25	+ 0.64	-46.60	353 56 0.20	47.350	- 6.1	[49.7]	20 37 . .	. . .	. . .	. . .
3	ζ Cygni	11	9 18.77	+ 0.61	-46.66	9 4 1.28	41.651	+ 9.3	51.3	21 8 . .	. . .	. . .	. . .
4	ε Pegasi	11	39 53.83	+ 0.60	-46.83	29 26 5.90	46.673	+ 32.7	53.1	21 39 . .	. . .	. . .	. . .
	March 2, S.												
5	Sun I, N.	11	54 52.67	+ 0.59	-46.78	45 28 7.42	45.908	+ 58.3	52.9	22 54 6.48	+ 65.26	6 38 5.9	. . .
6	Sun II, S.	11	57 3.19	+ 0.59	-46.78	46 0 7.22	46.518	+ 59.4	52.9	22 56 17.00	- 65.26	7 10 22.3	. . .
7	α Andromedæ	11	3 49.68	+ 0.61	-46.81	10 20 5.95	43.662	+ 10.4	52.5	0 3 . .	. . .	. . .	. . .
8	β Ceti	11	39 11.83	+ 0.58	-46.95	57 24 2.62	41.458	+ 28.7	53.5	0 38 . .	. . .	. . .	. . .
9	β Andromedæ	11	4 43.82	+ 0.62	-46.79	3 46 2.65	46.614	+ 3.8	53.6	1 3 . .	. . .	. . .	. . .
10	α Ursæ Minoris	8	21 6.71	+ 4.05	[-46.92]	310 6 3.28	46.308	- 7.0	[51.9]	1 20 . .	. . .	. . .	. . .
11	Venus I, S.	9	41 4.71	+ 0.60	-46.90	24 58 5.82	49.852	+ 26.5	52.9	1 40 18.41	+ 0.99	13 51 9.7	. . .
12	β Arietis	11	49 43.63	+ 0.60	-46.98	18 32 4.02	46.432	+ 19.1	52.9	1 48 . .	. . .	. . .	. . .
13	α Arietis	11	2 8.62	+ 0.61	-46.90	15 52 3.40	45.776	+ 16.2	53.1	2 1 . .	. . .	. . .	. . .
14	γ Leonis	11	15 7.08	+ 0.53	-47.02	18 28 3.72	49.050	+ 19.3	52.8	10 14 . .	. . .	. . .	. . .
15	Psyche	11	19 6.04	+ 0.52	-47.08	27 50 0.82	51.364	+ 30.5	52.7	10 18 19.48	. . .	10 58 41.6	. . .
16	Jupiter I, N.	6	27 21.70	+ 0.52	-47.09	27 38 5.08	47.930	+ 30.2	52.7	10 26 35.13	+ 1.53	11 11 43.4	. . .
17	Jupiter II, S.	5	27 24.76	+ 0.52	-47.09	27 38 5.08	50.170	+ 30.3	52.7	10 26 38.19	- 1.53	11 11 0.4	. . .
18	γ Leonis	11	27 44.92	. . .	. . .	27 44 4.92	49.636	+ 30.4	53.1	10 43 . .	. . .	. . .	. . .
19	δ Leonis	11	9 27.33	+ 0.53	-47.07	17 46 3.92	44.481	+ 18.5	52.4	11 8 . .	. . .	. . .	. . .
20	τ Leonis	11	23 27.66	+ 0.51	-47.13	35 26 . .	. . .	. . .	52.4	11 22 . .	. . .	. . .	. . .
21	λ Draconis	11	26 19.70	+ 0.72	[-47.49]	328 55 56.70	41.285	- 34.6	[52.0]	11 25 . .	. . .	. . .	. . .
22	β Leonis	11	44 37.77	+ 0.52	-47.18	23 41 57.00	45.896	+ 25.4	52.8	11 43 . .	. . .	. . .	. . .
23	Uranus C, C.	11	48 16.77	+ 0.48	-47.25	58 34 4.05	42.879	+ 34.1	52.7	15 47 30.00	. . .	19 43 42.3	. . .
24	δ Scorpii	8	55 3.11	+ 0.48	-47.34	61 10 4.42	42.985	+ 44.5	53.5	15 54 . .	. . .	. . .	. . .
25	Saturn I, S.	6	56 58.17	+ 0.49	-47.26	57 1 57.68	45.390	+ 28.8	52.7	15 56 11.40	+ 0.62	18 12 18.8	. . .
26	Saturn II, S.	5	56 59.42	+ 0.49	-47.26	57 1 57.68	44.570	+ 28.8	52.7	15 56 12.65	- 0.63	18 12 3.0	. . .
27	δ Ophiuchi	11	9 45.13	+ 0.50	-47.24	42 16 4.62	45.991	+ 52.4	52.6	16 8 . .	. . .	. . .	. . .
28	τ Herculis	11	17 26.59	+ 0.58	-47.24	352 18 2.95	45.895	- 7.7	51.6	16 16 . .	. . .	. . .	. . .
29	α Scorpii	11	23 53.87	+ 0.48	-47.25	65 2 4.65	43.275	+ 2 3.4	52.3	16 23 . .	. . .	. . .	. . .
30	ζ Ophiuchi	11	32 17.43	+ 0.49	-47.26	49 12 4.62	44.358	+ 1 6.8	52.8	16 31 . .	. . .	. . .	. . .
	March 3, La.												
31	κ Cancri	11	2 59.59	+ 0.32	-47.14	27 44 1.90	50.864	+ 30.9	53.2	9 2 . .	. . .	. . .	. . .
32	ε Leonis	11	40 50.09	+ 0.38	-47.16	14 36 0.20	45.703	+ 15.4	52.9	9 40 . .	. . .	. . .	. . .
33	μ Leonis	11	47 44.28	+ 0.38	-47.25	12 21 59.90	43.919	+ 13.0	53.3	9 46 . .	. . .	. . .	. . .
34	α Leonis	11	3 42.86	+ 0.33	-47.21	26 22 2.75	47.136	+ 29.3	54.0	10 2 . .	. . .	. . .	. . .
35	Psyche	11	18 20.76	+ 0.32	-47.19	27 46 2.65	47.919	+ 31.1	53.2	10 17 33.89	. . .	11 3 45.7	. . .
36	Jupiter I, S.	5	26 52.88	+ 0.33	-47.19	27 36 2.82	47.610	+ 30.9	53.2	10 26 6.02	+ 1.58	11 13 51.6	. . .
37	Jupiter II, N.	6	26 56.03	+ 0.33	-47.19	27 36 2.82	45.450	+ 30.9	53.2	10 26 9.17	- 1.57	11 14 33.1	. . .
38	γ Leonis	11	44 40.23	+ 0.32	-47.17	27 44 2.72	49.681	+ 31.2	52.6	10 43 . .	. . .	. . .	. . .
39	α Ursæ Majoris	11	58 14.11	+ 0.64	[-47.15]	336 32 . .	. . .	. . .	. . .	10 57 . .	. . .	. . .	. . .
40	γ Ursæ Minoris	11	21 42.30	+ 0.86	[-47.23]	326 40 0.88	46.124	- 39.5	[53.3]	15 20 . .	. . .	. . .	. . .
41	α Serpentis	11	40 0.29	+ 0.31	-47.25	32 6 0.75	44.836	+ 37.9	51.8	15 39 . .	. . .	. . .	. . .
42	Uranus C, C.	11	48 16.96	+ 0.21	-47.18	58 34 1.85	42.656	+ 38.4	51.7	15 47 29.99	. . .	19 43 40.1	. . .
43	Saturn I, N.	6	57 1.15	+ 0.22	-47.18	57 2 1.58	43.958	+ 32.8	51.7	15 56 14.19	+ 0.63	18 12 0.1	. . .
44	Saturn II, S.	5	57 2.42	+ 0.22	-47.18	57 2 1.58	44.860	+ 32.8	51.7	15 56 15.46	- 0.64	18 12 17.6	. . .
45	α Scorpii	11	23 54.12	+ 0.18	-47.17	65 2 1.78	43.130	+ 2 9.2	52.3	16 23 . .	. . .	. . .	. . .
46	ζ Ophiuchi	11	32 17.58	+ 0.25	-47.13	49 12 1.65	44.320	+ 1 9.9	52.2	16 31 . .	. . .	. . .	. . .
47	κ Ophiuchi	11	53 35.66	+ 0.32	-47.18	29 18 1.52	47.655	+ 34.0	51.0	16 52 . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
1 12 8	30.016	38.1	37.6	1, 10.	Bisections at C ₁ , C ₃ , C ₅ .	5	+	6.3	-16 8.2	-16 1.9
2 20 43	30.011	50.4	50.8	2, 4, 7.	Bisections at II, VI, VII.	6	+	6.4	+16 8.1	+16 14.5
2 22 26	29.998	57.0	57.7	5, 24, 28.	Bisections at I, II.	11	+	6.3	+ 14.5	+ 20.8
2 57 11	29.982	56.6	56.3	6, 21.	Bisections at VI, VII.	15	+	1.9	. . .	+ 1.9
3 1 56	29.950	60.7	61.2	16, 26, 36, 43.	Bisections at I, VII.	16	+	0.9	- 21.5	- 20.6
3 9 56	29.920	64.2	63.5	17, 25, 37, 44.	Bisections at II, VI.	17	+	0.9	+ 21.5	+ 22.4
3 11 14	29.857	55.8	54.2	21.	Z. D. thread A used.	23	+	0.4	. . .	+ 0.4
3 15 45	29.817	53.4	51.7	32.	Bisections at I, II, VI.	25	+	0.8	+ 7.9	+ 8.7
3 16 37	29.728	52.5	51.4	40.	Bisections at II, III, V, VI.	26	+	0.8	- 7.9	- 7.1
3 19 32	29.796	49.1	45.0			35	+	1.9	. . .	+ 1.9
3 9 47	29.838	44.2	43.3			36	+	0.9	+ 20.8	+ 21.7
3 10 26	29.844	43.5	42.1			37	+	0.9	- 20.7	- 19.8
3 11 3	29.874	41.8	39.7			42	+	0.4	. . .	+ 0.4
3 15 21	29.996	39.2	33.9			43	+	0.8	- 8.8	- 8.0
3 15 57	30.002	35.2	34.3			44	+	0.8	+ 8.7	+ 9.5

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI. CROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	d Herculis March 8, B.	11	58 35.95	+ 0.42	-47.19	5 8 0.72	46.578	+ 5.5	51.1	16 57 . .	. .		. .
2	Venus I, S.	11	59 24.66	+ 0.66	-49.29	22 34 6.90	47.638	+ 25.0	50.0	1 58 36.03	+ 1.08	+ 16 15 49.7	. .
3	γ Ceti	11	38 47.09	+ 0.63	-49.37	36 2 3.72	45.782	+ 43.5	50.0	2 37	. .		. .
4	α Persei	11	17 47.23	+ 0.77	-49.35	349 22 4.08	42.886	- 11.1	49.4	3 16	. .		. .
5	δ Persei	11	36 24.78	+ 0.76	-49.33	351 24 3.75	43.352	- 9.0	48.7	3 35	. .		. .
6	η Tauri	11	42 11.18	+ 0.68	-49.28	15 4 6.42	43.424	+ 16.1	52.2	3 41	. .		. .
7	ζ Persei March 9, Ia.	11	48 28.95	+ 0.70	-49.30	7 16 4.12	45.378	+ 7.7	49.7	3 47	. .		. .
8	ζ Cygni	11	9 22.87	+ 0.54	-50.54	9 4				21 8	. .		. .
9	ε Pegasi	11	39 57.77	+ 0.50	-50.54	29 26 9.20	46.730	+ 31.8	56.1	21 39	. .		. .
10	Mercury C, C. March 10, Ia.	11	18 34.57	+ 0.47	-50.56	51 44 2.95	47.896	+ 11.1	54.1	22 17 44.48	- 0.02	- 12 54 53.0	. .
11	Sun I, S.	11	24 34.27	+ 0.48	-50.59	42 54 3.05	46.192	+ 51.7	54.1	23 23 44.16	+ 64.77	- 4 3 59.2	. .
12	Sun II, N.	11	26 43.81	+ 0.48	-50.59	42 22 4.50	45.238	+ 50.7	54.1	23 25 53.70	- 64.77	- 3 31 45.2	. .
13	α Arietis	11	2 12.36	+ 0.53	-50.65	15 52 1.50	45.984	+ 16.0	54.2	2 1	. .		. .
14	Venus I, S.	11	5 10.09	+ 0.51	-50.66	21 50 5.85	45.232	+ 22.6	54.1	2 4 19.94	+ 1.11	+ 17 0 43.4	. .
15	α Ceti	8	57 44.60	+ 0.49	-50.77	35 10 2.20	43.050	+ 39.9	53.7	2 56	. .		. .
16	α Persei	11	17 48.57	+ 0.61	-50.58	349 22 4.70	43.068	- 10.6	53.7	3 16	. .		. .
17	η Tauri	11	42 12.68	+ 0.53	-50.67	15 4 0.10	43.858	+ 15.4	53.4	3 41	. .		. .
18	ζ Persei	11	48 30.52	+ 0.55	-50.75	7 16 0.85	45.784	+ 7.3	53.6	3 47	. .		. .
19	γ Tauri	11	14 47.15	+ 0.51	-50.69	23 28 1.38	44.900	+ 24.9	53.2	4 13	. .		. .
20	ε Tauri	11	23 27.43	+ 0.52	-50.68	19 54 1.92	43.830	+ 20.8	53.2	4 22	. .		. .
21	α Tauri	11	30 51.94	+ 0.51	-50.67	22 32 3.10	46.679	+ 23.9	51.8	4 30	. .		. .
22	Moon I, S.	11	42 47.64	+ 0.56	-50.71	12 24 0.80	44.830	+ 12.7	52.9	4 41 57.49	+ 69.39	+ 26 27 5.0	. .
23	ι Aurigæ	11	51 8.78	+ 0.55	-50.76	5 50 0.45	47.398	+ 6.0	53.5	4 50	. .		. .
24	ε Leonis	11	40 53.57	+ 0.44	-50.72	14 36 1.60	45.494	+ 15.3	51.6	9 40	. .		. .
25	μ Leonis	11	47 47.73	+ 0.44	-50.78	12 22 2.32	43.657	+ 12.9	51.7	9 46	. .		. .
26	α Leonis	11	3 46.31	+ 0.42	-50.75	26 22 1.40	47.108	+ 29.2	52.0	10 2	. .		. .
27	Jupiter I, S.	6	23 38.57	+ 0.42	-50.74	27 18 0.68	44.612	+ 30.4	51.5	10 22 48.25	+ 1.49	+ 11 32 50.0	. .
28	Jupiter II, N.	5	23 41.54	+ 0.42	-50.74	27 18 0.68	42.422	+ 30.4	51.5	10 22 51.22	- 1.48	+ 11 33 32.1	. .
29	ρ Leonis	11	28 16.37	+ 0.42	-50.75	29 0 3.55	46.960	+ 32.6	50.8	10 27	. .		. .
30	ι Leonis	11	44 43.71	+ 0.42	-50.73	27 44 4.00	49.558	+ 31.0	51.2	10 43	. .		. .
31	α Ursæ Majoris	11	58 18.03	+ 0.51	-50.91	336 32 3.88	49.135	- 25.4	[53.1]	10 57	. .		. .
32	β Libræ	11	12 20.25	+ 0.39	-50.74	47 50 1.50	46.665	+ 5.6	50.0	15 11	. .		. .
33	γ² Ursæ Minoris	10	21 46.30	+ 0.56	-50.46	326 40				15 20	. .		. .
34	α Coronæ Borealis	11	31 11.77	+ 0.44	-50.67	11 48 0.88	44.160	+ 12.5	50.4	15 30	. .		. .
35	α Serpentis	11	40 3.79	+ 0.41	-50.66	32 6 2.72	44.708	+ 37.4	50.6	15 39	. .		. .
36	Uranus C, C.	11	48 13.64	+ 0.37	-50.72	58 32 1.80	47.801	+ 37.2	50.6	15 47 23.29	. .	- 19 43 19.6	. .
37	Saturn I, S.	6	57 11.10	+ 0.38	-50.71	57 0 0.28	48.315	+ 31.6	50.6	15 56 20.77	+ 0.62	- 18 11 22.3	. .
38	Saturn II, N.	5	57 12.34	+ 0.38	-50.71	57 0 0.28	47.475	+ 31.6	50.6	15 56 22.01	- 0.62	- 18 11 6.3	. .
39	β¹ Scorpii	11	0 19.15	+ 0.37	-50.79	58 22 1.70	42.499	+ 36.5	51.5	15 59	. .		. .
40	δ Ophiuchi March 10, B.	11	9 48.95	+ 0.40	-50.72	42 16 2.95	45.901	+ 54.2	50.4	16 8	. .		. .
41	ε Delphini	11	29 8.27	+ 0.37	-50.78	27 54 3.05	43.881	+ 31.1	51.6	20 28	. .		. .
42	α Cygni	11	38 44.91	+ 0.43	-50.82	353 56 0.65	47.495	- 6.1	50.5	20 37	. .		. .
43	γ Cygni	10	54 9.85	+ 0.42	-50.87	358 6 1.32	42.389	- 1.9	49.1	20 53	. .		. .
44	ζ Cygni March 11, B.	11	9 23.26	+ 0.40	-50.77	9 4 2.38	41.662	+ 9.3	51.4	21 8	. .		. .
45	Sun I, S.	11	28 15.25	+ 0.35	-50.87	42 30 6.82	47.145	+ 52.7	52.6	23 27 24.73	+ 64.70	- 3 40 23.8	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
3 16 58	30.056	35.0	33.7	11, 45.	Bisections at I, II.	2	+ 6.2	+ 15.7	. .	+ 21.9
8 2 0	30.158	40.5	40.0	12.	Bisections at VI, VII.	10	+ 5.5	. .	- 0.2	+ 5.3
3 20	30.118	41.5	40.8	15.	Bisection at II.	11	+ 6.0	+ 16 7.0	. .	+ 13.0
4 30	30.112	40.4	39.3	22.	Bisections at III, IV, V.	12	+ 6.0	- 16 7.0	. .	- 16 1.0
9 21 9	29.496	57.0	56.4	25.	Bisections at II, VI, VII.	14	+ 6.2	+ 16.2	. .	+ 22.4
22 18	29.506	62.3	60.7	27, 37.	Bisections at I, VII.	22	+ 35.5	+ 14 53.9	. .	+ 26 29.4
22 18	29.506	63.2	61.3	28, 38.	Bisections at II, VI.	27	+ 0.9	+ 21.1	. .	+ 22.0
10 23 26	29.492	64.5	66.0			28	+ 0.9	- 21.0	. .	- 20.1
2 5	29.558	62.6	61.6			36	+ 0.4		. .	+ 0.4
2 57	29.588	58.9	57.9			37	+ 0.8	+ 8.0	. .	+ 8.8
3 42	29.626	57.1	55.9			38	+ 0.8	- 8.0	. .	- 7.2
4 14	29.650	55.2	53.5			45	+ 6.0	+ 16 6.4	. .	+ 16 12.4
4 51	29.682	53.0	51.9							
9 40	29.804	45.9	44.5							
10 23	29.814	44.9	43.4							
10 58	29.830	44.2	43.1							
15 12	29.852	39.3	38.9							
15 48	29.856	39.2	38.2							
16 9	29.860	39.2	37.5							
20 20	29.936	48.0	45.3							
21 20	29.924	51.2	51.2							
22 20	29.930	55.0	53.6							

9 to 18. Two microscopes read.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF THL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun II, N.	11	30 24.65	+ 0.35	-50.87	41 57 58.62	46.770	+ 51.7	52.6	23 29 34.13	-64.70	3 8 10.9	.
2	β Andromedæ	11	4 48.23	+ 0.41	[-51.04]	3 46 1.30	46.768	+ 3.8	53.7	1 3 . . .	.	.	.
3	α Ursæ Minoris . . .	5	21 7.28	+ 3.08	[-51.07]	310 6 0.60	46.478	- 1 7.5	[51.5]	1 20 . . .	.	.	.
4	Venus I, S.	10	7 57.97	+ 0.27	-50.93	21 28 5.02	45.740	+ 22.5	54.4	2 7 7.31	+ 1.13	17 22 32.9	.
March 12, K.													
5	ϵ Orionis	11	31 51.74	+ 0.37	-51.51	40 6 3.80	46.555	+ 47.3	54.2	5 31 . . .	.	.	.
6	Mars I, S.	6	42 56.50	+ 0.42	-51.49	13 6 3.15	38.522	+ 13.2	53.1	5 42 5.43	+ 0.38	25 43 47.8	.
7	Mars II, N.	5	42 57.18	+ 0.42	-51.49	13 6 3.15	37.928	+ 13.2	53.1	5 42 6.11	- 0.30	25 43 59.3	.
8	α Orionis	11	50 28.34	+ 0.39	-51.42	31 28 2.82	42.939	+ 34.4	53.0	5 49 . . .	.	.	.
9	ν Orionis	11	2 34.35	+ 0.40	-51.52	24 4 3.80	44.618	+ 25.2	53.5	6 1 . . .	.	.	.
10	δ Ursæ Minoris S. P.	7	6 11.20	- 0.97	[-51.49]	305 30 0.05	41.593	- 1 18.5	[53.1]	18 5 . . .	.	.	.
11	μ Geminorum	11	17 36.81	+ 0.42	-51.53	16 16 2.10	47.677	+ 16.5	53.0	6 16 . . .	.	.	.
12	γ Geminorum	11	32 38.79	+ 0.41	-51.55	22 22 3.38	43.556	+ 23.2	53.0	6 31 . . .	.	.	.
13	Moon I, N.	11	35 13.26	+ 0.43	-51.53	12 30 4.32	37.411	+ 12.6	53.1	6 35 22.16	+70.59	26 20 8.8	.
14	μ Leonis	11	47 48.67	+ 0.43	-51.72	12 22 3.32	43.732	+ 12.5	53.4	9 46 . . .	.	.	.
15	α Leonis	11	3 47.25	+ 0.40	-51.67	26 22 4.50	47.068	+ 28.4	53.6	10 2 . . .	.	.	.
16	γ Leonis	11	14 11.77	+ 0.41	-51.59	18 28 5.15	48.906	+ 19.2	51.8	10 14 . . .	.	.	.
17	Jupiter I, S.	6	22 45.50	+ 0.40	-51.66	27 10 2.82	43.435	+ 29.5	53.1	10 21 54.24	+ 1.49	11 37 57.8	.
18	Jupiter II, N. . . .	5	22 48.48	+ 0.40	-51.66	27 10 2.82	41.185	+ 29.5	53.1	10 21 57.22	- 1.49	11 38 41.0	.
19	ρ Leonis	11	28 17.29	+ 0.39	-51.64	29 0 2.90	47.135	+ 31.8	52.7	10 27 . . .	.	.	.
March 12, La.													
20	ζ Cygni	10	9 24.24	+ 0.59	-51.90	9 4 1.62	41.738	+ 9.5	52.0	21 8 . . .	.	.	.
21	β Aquarii	8	27 0.18	+ 0.46	-52.02	44 52 3.50	44.172	+ 59.2	52.8	21 26 . . .	.	.	.
22	ϵ Pegasi	11	39 59.16	+ 0.51	-51.89	29 26 3.88	46.752	+ 33.6	52.8	21 39 . . .	.	.	.
23	α Aquarii	11	1 21.36	+ 0.47	-51.94	39 40 5.25	43.831	+ 49.3	53.6	22 0 . . .	.	.	.
24	Mercury C, C. . . .	11	37 16.92	+ 0.44	-51.95	50 2 2.48	45.294	+ 1 10.7	52.3	22 36 25.41	- 0.02	11 12 4.1	.
March 13, La.													
25	Sun I, N.	11	35 36.17	+ 0.47	-51.96	41 11 58.40	42.948	+ 51.9	52.3	23 34 44.68	+64.65	2 20 54.4	.
26	Sun II, S.	9	37 45.47	+ 0.47	-51.96	41 44 3.98	43.075	+ 52.8	52.3	23 36 53.98	-64.65	2 53 7.1	.
27	β Andromedæ	11	4 48.95	+ 0.72	-52.08	3 46 2.60	46.631	+ 3.9	52.0	1 3 . . .	.	.	.
28	β Arietis	11	49 48.53	+ 0.55	-51.92	18 32 1.75	46.478	+ 19.8	51.4	1 48 . . .	.	.	.
29	α Arietis	11	2 13.64	+ 0.56	-51.99	15 52 3.95	45.732	+ 16.8	52.3	2 1 . . .	.	.	.
30	Venus I, S.	11	13 22.91	+ 0.54	-51.99	20 46 0.98	45.515	+ 22.4	52.3	2 12 31.46	+ 1.17	18 4 41.2	.
31	γ Ceti	11	38 49.43	+ 0.48	-52.01	36 2 3.02	45.941	+ 42.9	51.8	2 37 . . .	.	.	.
32	β Ursæ Minoris S. P.	9	51 56.44	- 0.36	[-51.60]	293 27 59.98	43.772	- 2 14.3	[51.8]	14 51 . . .	.	.	.
33	α Ceti	11	57 45.75	+ 0.49	-51.96	35 10 3.30	42.755	+ 41.5	51.8	2 56 . . .	.	.	.
March 14, S.													
34	ν Orionis	11	2 35.33	+ 0.54	-52.68	24 4 4.78	44.359	+ 25.9	50.2	6 1 . . .	.	.	.
35	δ Ursæ Minoris S. P.	7	6 12.92	- 0.72	[-52.78]	305 30 2.32	41.423	- 1 20.8	[50.1]	18 5 . . .	.	.	.
36	μ Geminorum	11	17 37.90	+ 0.55	-52.78	16 16 3.95	47.452	+ 17.0	50.6	6 16 . . .	.	.	.
37	γ Geminorum	11	32 39.94	+ 0.54	-52.86	22 22 4.82	43.310	+ 24.0	50.6	6 31 . . .	.	.	.
38	ϕ Geminorum	7	48 6.50	+ 0.56	-52.85	11 48 4.75	48.005	+ 12.3	49.6	7 47 . . .	.	.	.
39	Moon I, N.	11	29 30.03	+ 0.56	-52.86	18 59 58.10	40.953	+ 20.3	50.3	8 28 37.73	+69.33	19 52 11.8	.
40	ϵ Hydræ	11	42 14.06	+ 0.53	-52.86	32 2 5.00	47.601	+ 36.9	50.4	8 41 . . .	.	.	.
March 14, B.													
41	α Cygni	11	38 46.88	+ 0.63	[-52.88]	353 56 4.30	47.282	- 6.3	[49.4]	20 37 . . .	.	.	.
42	ζ Cygni	11	9 25.35	+ 0.57	-52.95	9 4 5.35	41.428	- 9.6	[49.6]	21 8 . . .	.	.	.
43	α Cephei	11	16 57.45	+ 0.75	[-53.06]	336 44 3.75	41.222	- 25.7	[50.1]	21 16 . . .	.	.	.
44	ϵ Pegasi	11	40 0.27	+ 0.52	-52.97	29 26 5.50	46.584	+ 33.9	51.4	21 39 . . .	.	.	.
45	Mercury C, C. . . .	11	49 57.62	+ 0.47	-52.97	48 48 5.48	42.960	+ 1 8.2	51.4	22 49 5.12	- 0.02	9 57 20.8	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
11	23 30	29.896	57.0	56.4	1.	Bisection at VI.	1	+ 5.9	-16 6.4	.	-16 0.5
	1 20	29.874	59.2	58.2	3.	Bisections at B ₁ , B ₂ , B ₃ .	4	+ 6.2	+ 16.4	.	+ 22.6
	2 15	29.864	59.2	58.2	4, 26.	Bisections at VI, VII.	6	+ 1.6	+ 5.8	.	+ 7.4
12	5 31	29.434	60.3	59.2	6, 7, 13, 17, 18.	Z. D. thread A used.	7	+ 1.6	- 5.7	0.0	- 4.1
	6 39	29.454	58.2	57.3		Bisections at I, VII.	13	+ 11 57.0	-15 13.1	.	- 3 16.1
	9 47	29.550	53.8	54.4	6, 17.	Bisections at II, VI.	17	+ 0.9	+ 21.6	.	+ 22.5
	10 28	29.568	52.2	52.1	7, 18.	Bisections at C ₁ , C ₂ , C ₃ .	18	+ 0.9	+ 21.6	.	+ 20.7
	21 9	29.896	39.9	38.7	10, 32.	Bisections at II, VI, VII.	24	+ 5.3	.	- 0.2	+ 5.1
	21 39	29.910	41.3	39.4	11.	Bisections at II, III, IV, V, VI.	25	+ 5.8	-16 6.3	.	-16 0.5
	22 1	29.918	42.6	39.6	13.	Bisections at I, II.	26	+ 5.9	+16 6.3	.	+16 12.2
13	23 37	29.926	44.4	41.0	25, 38.	Bisections at C ₁ , C ₂ , C ₃ .	30	+ 6.1	+ 16.8	.	+ 22.9
	1 4	29.930	46.3	44.3	35.	Bisections at III, IV, V.	39	+ 18 33.4	-15 41.4	-	+ 2 52.0
	1 49	29.936	47.0	44.9	39.		45	+ 5.1	.	0.1	+ 5.0
	2 13	29.938	46.9	44.7							
	2 57	29.962	46.9	45.1							
14	5 53	29.776	51.4	51.0							
	6 38	29.804	49.0	48.6							
	8 38	29.888	45.4	44.6							
	20 45	30.172	39.0	38.0							
	21 45	30.184	41.0	39.3							
	22 49	30.184	43.0	41.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRAC- TION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			m	s	Instrument.	Clock.								
1	α Pegasi March 15, B.	11	0	30.18	+ 0.53	-52.95	24 12 5.65	43.898	+ 26.9	51.4	22 59 . .	. .		. .
2	Sun I	11	42	56.10	+ 0.49	-52.98	40 40 . .	. .	. .	. .	23 42 3.61	+64.60		. .
3	Sun II	11	45	5.30	+ 0.49	-52.98		. .	. .	. .	23.44 12.81	-64.60		. .
4	α Cassiopeiae March 15, K.	11	35	30.73	+ 0.69	[-53.10]	342 54 . .	. .	. .	. .	0 34 . .	. .		. .
5	ζ Cygni	11	9	25.79	+ 0.57	-53.36	9 4 3.08	41.532	+ 9.7	49.4	21 8 . .	. .		. .
6	α Cephei	10	16	57.73	+ 0.75	[-53.31]	336 44 . .	. .	. .	. .	21 16 . .	. .		. .
7	β Aquarii	11	27	1.58	+ 0.48	-53.38	44 52 4.25	43.984	+ 1 0.0	51.0	21 26 . .	. .		. .
8	ε Pegasi	11	40	0.75	+ 0.51	-53.42	29 26 2.05	46.735	+ 34.1	51.1	21 39 . .	. .		. .
9	α Aquarii	11	1	22.83	+ 0.49	-53.38	39 40 3.62	43.738	+ 50.0	51.0	22 0 . .	. .		. .
10	Mercury C, C. March 16, K.	11	56	21.85	+ 0.47	-53.41	48 8 0.92	45.752	+ 1 7.1	50.5	22 55 28.91	- 0.01	- 9 18 9.5	. .
11	Sun I, S.	11	46	35.75	+ 0.49	-53.43	40 32 1.40	36.265	+ 51.3	50.5	23 45 42.81	+64.55	- 1 42 5.6	. .
12	Sun II, N.	11	48	44.85	+ 0.49	-53.43	40 0 7.08	35.108	+ 50.4	50.5	23 47 51.91	-64.55	- 1 9 52.1	. .
13	β Andromedæ	11	4	50.42	+ 0.58	-53.42	3 46 1.72	46.685	+ 4.0	51.2	1 3 . .	. .		. .
14	α Ursæ Minoris	7	21	3.37	+ 6.96	[-53.44]	310 6 1.68	46.621	+ 10.6	[49.7]	1 20 . .	. .		. .
15	η Piscium	11	26	51.34	+ 0.52	-53.42	24 2 2.20	44.186	+ 26.7	49.8	1 25 . .	. .		. .
16	β Arietis	11	49	50.08	+ 0.54	-53.48	18 32 1.52	46.434	+ 20.1	50.3	1 48 . .	. .		. .
17	α Arietis	11	2	15.16	+ 0.55	-53.52	15 52 0.70	45.705	+ 17.0	49.9	2 1 . .	. .		. .
18	Venus I, S.	11	21	2.21	+ 0.54	-53.47	19 46 1.92	36.915	+ 21.5	50.5	2 20 9.28	+ 1.23	+ 19 4 9.1	. .
19	μ Leonis	11	46	43.35	+ 0.57	+ 13.44	12 22 2.95	43.451	+ 13.4	48.9	9 46 . .	. .		. .
20	α Leonis	11	2	41.92	+ 0.54	+ 13.50	26 22 3.15	46.824	+ 30.3	49.5	10 2 . .	. .		. .
21	Psyche	11	8	25.67	+ 0.54	+ 13.47	26 46 4.50	50.390	+ 30.8	48.7	10 8 39.68	. .	+ 12 4 52.2	. .
22	γ^1 Leonis	11	14	6.53	+ 0.55	+ 13.50	18 27 56.72	49.081	+ 20.5	48.3	10 14 . .	. .		. .
23	Moon I	11	17	14.88	+ 0.54	+ 13.47	30 18 . .	. .	. .	. .	10 17 28.89	+67.96		. .
24	Jupiter I	5	19	56.40	+ 0.54	+ 13.47	27 2 . .	. .	. .	. .	10 20 10.41	+ 1.54		. .
25	Jupiter II	6	19	59.47	+ 0.54	+ 13.47		. .	. .	. .	10 20 13.48	- 1.53		. .
26	ρ Leonis March 20, S.	11	27	12.04	+ 0.53	+ 13.46	29 0 3.45	46.762	+ 33.9	48.2	10 27 . .	. .		. .
27	Sun I, N.	11	0	6.71	+ 0.42	+ 10.10	38 26 5.50	43.752	+ 44.7	55.4	0 0 17.23	+64.50	+ 0 24 53.4	. .
28	Sun II, S.	11	2	15.70	+ 0.42	+ 10.10	38 58 1.65	44.238	+ 45.5	55.4	0 2 26.22	-64.49	- 0 7 16.7	. .
29	β Andromedæ	11	3	47.14	+ 0.34	+ 10.10	3 46 7.65	46.661	+ 3.7	56.4	1 3 . .	. .		. .
30	α Ursæ Minoris	4	20	11.90	- 6.56	[+ 10.08]	310 6 . .	. .	. .	. .	1 20 . .	. .		. .
31	β Arietis March 21, S.	11	48	46.73	+ 0.38	+ 10.01	18 32 5.35	46.558	+ 18.4	54.5	1 48 . .	. .		. .
32	α^2 Libræ	11	45	4.23	+ 0.27	+ 8.73	54 26 5.32	47.832	+ 1 20.9	52.7	14 45 . .	. .		. .
33	β Ursæ Minoris	8	50	55.92	+ 0.48	[+ 8.60]	324 18 . .	. .	. .	. .	14 51 . .	. .		. .
34	Moon II, S.	11	5	36.35	+ 0.26	+ 8.76	62 40 5.10	43.964	+ 1 51.8	52.7	15 5 45.37	-74.57	- 23 50 21.9	. .
35	β Libræ	11	11	21.04	+ 0.28	+ 8.85	47 50 6.50	46.671	+ 1 4.0	52.7	15 11 . .	. .		. .
36	δ^1 Scorpii	11	54	7.91	+ 0.26	+ 8.66	61 10 4.82	42.965	+ 1 45.2	52.5	15 54 . .	. .		. .
37	β Scorpii	11	59	20.15	+ 0.26	+ 8.65	58 22 4.25	42.642	+ 1 34.1	53.6	15 59 . .	. .		. .
38	α Scorpii March 21, B.	11	22	58.67	+ 0.24	+ 8.81	65 2 3.78	43.338	+ 2 4.4	52.1	16 23 . .	. .		. .
39	α Cephei	8	15	56.47	+ 0.06	[+ 8.86]	336 44 1.68	41.395	- 24.6	[52.6]	21 16 . .	. .		. .
40	ε Pegasi	11	38	58.95	+ 0.15	+ 8.86	29 26 5.18	46.848	+ 32.2	54.4	21 39 . .	. .		. .
41	ζ Cephei	9	45	49.28	+ 0.03	[+ 8.69]	333 12 4.42	45.518	+ 28.3	[53.2]	22 45 . .	. .		. .
42	α Pegasi	9	59	28.94	+ 0.15	+ 8.76	24 12 6.68	44.025	+ 25.3	54.4	22 59 . .	. .		. .
43	Mercury C, C.	10	34	41.43	+ 0.14	+ 8.73	43 48 5.70	44.968	+ 53.6	54.8	23 34 50.30	- 0.01	- 4 57 43.9	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
15 23 45	30.168	44.1	42.6	II, 12, 18.	Z. D. thread A used.	10	+ 5.0	. .	- 0.1	+ 4.9
21 9	30.306	39.8	38.4	II, 27, 36.	Bisections at I, II.	11	+ 5.8	+ 16 6.7	. .	+ 16 12.5
22 1	30.316	42.0	39.4		Bisections at VI, VII.	12	+ 5.7	- 16 6.7	. .	- 16 1.0
22 48	30.318	44.2	40.4	12, 17, 28, 39, 42, 43.	Bisections at I, II, VI.	18	+ 6.1	+ 17.6	. .	+ 23.7
16 23 48	30.314	44.2	41.5	13.	Bisections at B ₁ , B ₃ , C ₁ , C ₃ , C ₅ .	21	+ 1.7	. .	. .	+ 1.7
1 4	30.290	45.0	42.4	14.	Bisections at II, III, IV, V, VI.	27	+ 5.5	- 16 5.0	. .	- 15 59.5
1 49	30.282	45.6	43.0	34.		28	+ 5.6	+ 16 5.0	. .	+ 16 10.6
3 2	30.294	45.0	44.1			34	+ 53 29.4	+ 16 28.3	. .	+ 69 57.7
9 46	30.300	35.6	33.4			43	+ 4.6	. .	- 0.1	+ 4.5
10 27	30.312	34.0	32.5							
20 0 2	29.328	57.8	56.8							
1 8	29.315	65.9	64.8							
21 14 48	29.708	51.0	49.1							
16 22	29.690	49.0	46.6							
21 15	29.684	55.0	53.5							
22 10	29.678	60.2	59.0							
23 5	29.680	65.0	63.4	27 to 31. Two microscopes read.						

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	March 22, B.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, S.	11	7 25.05	+ 0.14	+ 8.70	38 10 6.00	46.270	+ 43.6	55.0	0 7 33.89	+64.47	+ 0 40 4.9	. .
2	Sun II, N.	11	9 33.98	+ 0.14	+ 8.70	37 38 6.02	45.852	+ 42.8	55.0	0 9 42.82	-64.46	+ 1 12 10.2	. .
3	β Andromedæ	8	3 48.87	+ 0.14	+ 8.57	3 46 2.62	46.995	+ 3.7	56.0	1 3 . . .	. . .	. . .	. .
4	α Ursæ Minoris . . .	2	20 10.71	- 4.20	[+ 8.57]	310 6 . . .	. . .	. . .	. . .	1 20 . . .	. . .	. . .	. .
5	Venus I, S.	11	33 13.60	+ 0.15	+ 8.55	18 2 1.48	47.785	+ 17.9	55.8	2 33 22.30	+ 1.36	+ 20 48 5.1	. .
6	α Persei	11	16 49.71	+ 0.11	+ 8.55	349 21 59.98	43.489	- 10.1	55.8	3 16 . . .	. . .	. . .	. .
7	δ Persei	11	35 27.29	+ 0.12	+ 8.51	351 24 1.48	43.878	- 8.1	55.6	3 35 . . .	. . .	. . .	. .
8	α Coronæ Borealis . .	11	30 13.50	+ 0.30	+ 8.07	11 48 3.98	44.202	+ 11.9	54.4	15 30 . . .	. . .	. . .	. .
9	α Serpentis	11	39 5.51	+ 0.30	+ 8.05	32 6 4.75	44.931	+ 35.5	54.9	15 39 . . .	. . .	. . .	. .
10	Uranus C, C.	11	46 39.14	+ 0.28	+ 8.04	58 30 4.30	45.438	+ 1 32.2	55.0	15 46 47.46	. . .	- 19 41 24.9	. .
11	Saturn I, S.	6	55 36.53	+ 0.28	+ 8.04	56 56 3.25	49.328	+ 1 26.9	55.0	15 55 44.85	+ 0.65	- 18 7 35.6	. .
12	Saturn II, N.	5	55 37.84	+ 0.28	+ 8.04	56 56 3.25	48.460	+ 1 26.8	55.0	15 55 46.16	- 0.66	- 18 7 19.0	. .
13	β^1 Scorpii	11	59 20.74	+ 0.28	+ 8.07	58 22 1.32	43.002	+ 1 31.7	55.7	15 59 . . .	. . .	. . .	. .
14	Moon II, S.	11	10 50.72	+ 0.28	+ 8.03	65 54 4.48	44.912	+ 2 6.1	55.0	16 10 59.03	-75.91	- 27 4 51.5	. .
15	α Scorpii	11	22 59.52	+ 0.27	+ 7.96	65 2 4.82	43.624	+ 2 1.3	55.2	16 23 . . .	. . .	. . .	. .
16	ϵ Ursæ Minoris . . .	3	56 24.13	- 0.06	[+ 8.04]	316 40 3.80	45.520	- 53.3	[54.7]	16 56 . . .	. . .	. . .	. .
	March 23, S.												
17	ϵ Pegasi	11	39 0.62	+ 0.25	+ 7.13	29 26 5.00	46.810	+ 32.0	53.3	21 39 . . .	. . .	. . .	. .
18	α Aquarii	11	0 22.80	+ 0.24	+ 7.05	39 40 5.28	43.902	+ 47.0	53.1	22 0 . . .	. . .	. . .	. .
	March 24, S.												
19	Venus I, S.	11	36 56.86	+ 0.27	+ 6.96	17 32 4.82	48.390	+ 17.9	53.4	2 37 4.09	+ 1.38	+ 21 17 47.8	. .
20	α Ceti	11	56 47.01	+ 0.25	+ 6.91	35 10 5.50	42.836	+ 39.9	54.0	2 56 . . .	. . .	. . .	. .
21	α Persei	11	16 51.03	+ 0.32	+ 6.99	349 22 4.05	43.172	- 10.6	53.3	3 16 . . .	. . .	. . .	. .
22	α Leonis	11	2 49.00	+ 0.35	+ 6.57	26 22 4.82	46.891	+ 28.6	51.0	10 2 . . .	. . .	. . .	. .
23	β Libræ	11	11 23.58	+ 0.28	+ 6.38	47 50 4.38	46.626	+ 1 4.5	50.2	15 11 . . .	. . .	. . .	. .
24	Uranus C, C.	11	46 32.14	+ 0.24	+ 6.30	58 30 5.15	46.519	+ 1 35.3	50.5	15 46 38.68	. . .	- 19 40 56.6	. .
25	Saturn I, S.	6	55 26.80	+ 0.24	+ 6.29	56 56 4.65	45.990	+ 1 29.7	50.5	15 55 33.33	+ 0.63	- 18 6 40.4	. .
26	Saturn II, N.	5	55 28.06	+ 0.24	+ 6.29	56 56 4.65	45.135	+ 1 29.7	50.5	15 55 34.59	- 0.63	- 18 6 23.9	. .
27	β^1 Scorpii	11	59 22.62	+ 0.24	+ 6.28	58 22 4.32	42.430	+ 1 34.7	51.4	15 59 . . .	. . .	. . .	. .
28	δ Ophiuchi	11	8 52.46	+ 0.30	+ 6.26	42 16 5.28	45.829	+ 53.2	50.0	16 8 . . .	. . .	. . .	. .
29	α Scorpii	11	23 1.37	+ 0.21	+ 6.23	65 2 3.95	43 128	+ 2 5.3	49.0	16 23 . . .	. . .	. . .	. .
30	γ^2 Sagittarii	11	59 6.95	+ 0.19	+ 6.29	69 14 3.35	45.480	+ 2 34.1	50.7	17 59 . . .	. . .	. . .	. .
31	δ Ursæ Minoris . . .	4	5 13.59	+ 3.32	[+ 6.31]	312 16 2.90	44.708	- 1 4.3	[51.8]	18 5 . . .	. . .	. . .	. .
32	η Serpentis	11	15 53.74	+ 0.30	+ 6.28	41 46 4.85	45.058	+ 52.5	50.7	18 16 . . .	. . .	. . .	. .
33	ι Aquilæ	11	29 31.05	+ 0.28	+ 6.33	47 8 5.08	48.852	+ 1 3.4	50.3	18 29 . . .	. . .	. . .	. .
34	α Lyræ	11	33 21.15	+ 0.46	+ 6.29	0 10 3.88	45.750	+ 0.2	50.8	18 33 . . .	. . .	. . .	. .
	March 24, La.												
35	α Cephei	11	15 58.64	+ 0.84	[+ 6.03]	336 43 59.78	41.566	- 25.1	[51.4]	21 16 . . .	. . .	. . .	. .
36	β Aquarii	10	26 2.38	+ 0.34	+ 6.16	44 52 3.10	44.146	+ 58.2	51.7	21 26 . . .	. . .	. . .	. .
37	ϵ Pegasi	11	39 1.39	+ 0.39	+ 6.24	29 26 1.90	46.831	+ 33.0	51.6	21 39 . . .	. . .	. . .	. .
38	Mercury C, C.	11	55 7.21	+ 0.35	+ 6.13	41 22 2.82	46.573	+ 51.2	51.2	23 55 13.69	0.00	- 2 32 9.7	. .
	March 25, La.												
39	Sun I, N.	11	18 21.68	+ 0.36	+ 6.12	36 28 5.28	43.520	+ 42.9	51.2	0 18 28.16	+64.41	+ 2 22 56.0	. .
40	Sun II, S.	11	20 30.49	+ 0.36	+ 6.12	37 0 7.60	43.350	+ 43.8	51.2	0 20 36.97	-64.40	+ 1 50 51.8	. .
41	Venus I, S.	11	38 39.35	+ 0.43	+ 6.05	17 18 4.70	48.749	+ 18.1	51.2	2 38 45.83	+ 1.43	+ 21 31 38.6	. .
42	α Ceti	11	56 47.80	+ 0.37	+ 5.99	35 10 3.60	42.752	+ 40.7	51.3	2 56 . . .	. . .	. . .	. .
43	η Tauri	11	41 15.87	+ 0.44	+ 6.03	15 4 2.70	43.629	+ 15.6	50.9	3 41 . . .	. . .	. . .	. .
44	ζ Persei	11	47 33.57	+ 0.47	+ 6.05	7 16 3.10	45.570	+ 7.4	50.6	3 47 . . .	. . .	. . .	. .
45	α Leonis	11	2 49.75	+ 0.36	+ 5.80	26 22 3.92	46.846	+ 29.4	50.1	10 2 . . .	. . .	. . .	. .
46	Jupiter I, S.	6	16 36.37	+ 0.36	+ 5.85	26 44 3.58	45.058	+ 29.9	50.1	10 16 42.58	+ 1.41	+ 12 6 37.7	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. I.	Sum.
d h m	in.	°	°				' "	' "	"	' "
22 0 9	29.620	69.8	69.3	I.	Bisection at II.	1	+ 5.5	+16 2.6	. .	+16 8.1
1 10	29.660	73.0	73.1	2, 27, 30, 34, 40.	Bisections at VI, VII.	2	+ 5.4	-16 2.6	. .	-15 57.2
2 30	29.650	77.0	75.3	3, 33.	Bisections at I, II.	5	+ 6.1	+ 19.2	. .	+ 25.3
3 20	29.630	80.5	79.3	11, 26, 46.	Bisections at I, VII.	10	+ 0.4	. . .	. .	+ 0.4
15 30	29.542	59.5	58.2	12, 25.	Bisections at II, VI.	11	+ 0.8	+ 8.3	. .	+ 9.1
16 45	29.558	58.0	56.4		Bisections at II, VI, VII.	12	+ 0.8	- 8.3	. .	- 7.5
23 11	29.136	50.8	49.5		Bisections at II, III, IV, V, VI.	14	+54 28.3	+16 19.3	. .	+70 47.6
22 11	29.137	52.2	50.1	13.	Bisection at C.	19	+ 6.0	+19.5	. .	+ 25.5
24 2 42	29.123	53.8	50.4	16.	Bisections at II, VII.	24	+ 0.4	. . .	. .	+ 0.4
3 38	29.127	54.0	52.3	21.	Bisections at C, C ₅ , D.	25	+ 0.8	+ 8.2	. .	+ 9.0
10 8	29.224	44.0	42.3	31.	Bisections at I, II, VI.	26	+ 0.8	- 8.3	. .	- 7.5
15 16	29.266	39.3	37.8	38.	Bisection at I.	38	+ 4.3	. . .	0.0	+ 4.3
16 25	29.267	38.0	36.6	39.		39	+ 5.2	-16 2.1	. .	-15 56.9
17 54	29.298	36.9	35.5			40	+ 5.3	+16 2.0	. .	+16 7.3
18 27	29.312	36.9	35.3			41	+ 6.2	+ 20.2	. .	+ 26.4
21 15	29.348	40.2	38.2			46	+ 0.9	+ 21.2	. .	+ 22.1
22 53	29.360	44.6	39.9							
23 55	29.350	44.1	41.6							
0 20	29.348	44.6	41.9							
2 38	29.312	46.9	43.9							
3 41	29.334	46.6	43.5							
10 2	29.450	36.8	34.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	Jupiter II, N. . .	5	16 39.18	+ 0.36	+ 5.85	26 44 3.58	42.852	+ 29.9	50.1	10 16 45.39	- 1.40	+ 12 7 20.1	.
2	ρ Leonis	11	27 19.77	+ 0.35	+ 5.88	29 0 3.38	46.880	+ 32.9	49.5	10 27 . .	.	.	.
3	τ Leonis	11	22 35.00	+ 0.32	+ 5.83	35 26 4.08	42.805	+ 42.3	50.6	11 22 . .	.	.	.
4	γ Cephei s. p. . .	11	34 55.80	- 0.68	[+ 5.83]	295 56 1.80	47.213	- 2 1.1	[50.7]	23 35 . .	.	.	.
5	α Coronæ Borealis	11	30 15.76	+ 0.43	+ 5.75	11 48 . .	.	.	.	15 30 . .	.	.	.
6	Uranus C, C. . .	11	46 28.03	+ 0.22	+ 5.71	58 30 4.55	45.692	+ 1 37.0	51.5	15 46 33.96	.	- 19 40 40.8	.
7	Saturn I	6	55 21.07	+ 0.23	+ 5.70	56 56 . .	.	.	.	15 55 27.00	+ 0.60	.	.
8	Saturn II	5	55 22.28	+ 0.23	+ 5.70	.	.	.	.	15 55 28.21	- 0.61	.	.
9	β Scorpii	11	59 23.29	+ 0.22	+ 5.66	58 22 7.92	42.279	+ 1 36.5	52.4	15 59 . .	.	.	.
10	δ Ophiuchi	11	8 53.04	+ 0.29	+ 5.71	42 16 4.70	45.832	+ 54.2	50.5	16 8 . .	.	.	.
11	α Scorpii	11	23 1.98	+ 0.19	+ 5.67	65 2 2.12	43.255	+ 2 7.5	51.7	16 23 . .	.	.	.
March 26, K.													
12	Sun I, S.	10	22 0.62	+ 0.52	+ 5.13	36 34 10.72	41.125	+ 43.5	51.2	0 22 6.27	+ 64.53	+ 2 14 20.4	.
13	Sun II, N.	11	24 9.67	+ 0.52	+ 5.13	36 2 11.58	40.480	+ 42.7	51.2	0 24 15.32	- 64.52	+ 2 46 28.7	.
14	β Andromedæ . . .	11	3 51.85	+ 0.56	+ 5.17	3 46 2.28	46.704	+ 3.9	51.1	1 3 . .	.	.	.
15	α Ursæ Minoris . .	6	20 5.52	+ 3.90	[+ 5.06]	310 6 2.70	46.708	- 1 8.9	[50.3]	1 20 . .	.	.	.
16	Venus I, S.	11	40 15.61	+ 0.54	+ 5.02	17 4 3.88	41.392	+ 18.0	51.2	2 40 21.17	+ 1.46	+ 21 44 45.4	.
17	α Ceti	11	56 48.70	+ 0.52	+ 4.94	35 10 4.40	42.690	+ 41.0	51.3	2 56 . .	.	.	.
18	α Leonis	11	2 50.70	+ 0.53	+ 4.67	26 22 4.32	46.836	+ 29.4	50.4	10 2 . .	.	.	.
19	γ Leonis	11	14 15.33	+ 0.54	+ 4.66	18 28 3.65	48.768	+ 19.9	47.9	10 14 . .	.	.	.
20	Jupiter I, S. . . .	6	16 16.68	+ 0.53	+ 4.66	26 40 5.12	41.638	+ 29.9	49.3	10 16 21.87	+ 1.54	+ 12 8 25.7	.
21	Jupiter II, N. . .	5	16 19.76	+ 0.53	+ 4.66	26 40 5.12	39.325	+ 29.9	49.3	10 16 24.95	- 1.54	+ 12 9 10.2	.
22	ρ Leonis	11	27 20.84	+ 0.52	+ 4.64	29 0 5.72	46.779	+ 32.9	50.0	10 27 . .	.	.	.
23	ι Leonis	11	43 48.23	+ 0.52	+ 4.64	27 44 3.52	49.425	+ 31.3	48.9	10 43 . .	.	.	.
March 26, La.													
24	Moon II	11	20 57.80	+ 0.17	+ 4.47	60 16 . .	.	.	.	20 21 2.44	- 68.99	.	.
25	γ Cygni	11	53 14.95	+ 0.47	+ 4.42	358 5 59.15	42.649	- 1.9	49.7	20 53 . .	.	.	.
26	ζ Cygni	11	8 28.37	+ 0.41	+ 4.49	9 4 1.05	41.748	+ 9.5	50.3	21 8 . .	.	.	.
27	ϵ Pegasi	10	39 3.38	+ 0.31	+ 4.37	29 26 1.20	46.788	+ 33.4	50.5	21 39 . .	.	.	.
28	Mercury C, C. . .	11	9 2.85	+ 0.26	+ 4.28	39 40 3.85	45.825	+ 48.5	50.0	0 9 7.39	0.00	- 0 49 55.8	.
March 27, Ia.													
29	Sun I, S.	11	25 39.83	+ 0.28	+ 4.27	36 12 8.82	46.718	+ 42.8	50.0	0 25 44.38	+ 64.45	+ 2 37 49.6	.
30	Sun II, N.	11	27 48.72	+ 0.28	+ 4.27	35 40 9.25	46.118	+ 42.0	50.0	0 27 53.27	- 64.44	+ 3 9 57.7	.
31	α Ursæ Minoris . .	5	19 59.82	+ 10.34	[+ 4.10]	310 6 0.00	46.838	- 1 8.9	[49.8]	1 20 . .	.	.	.
32	γ Ceti	8	37 53.82	+ 0.28	+ 4.09	36 2 . .	.	.	.	2 37 . .	.	.	.
33	Venus I, S.	11	41 45.32	+ 0.37	+ 4.16	16 54 2.88	44.008	+ 17.8	50.0	2 41 49.85	+ 1.48	+ 21 57 10.4	.
34	α Ceti	11	56 49.73	+ 0.28	+ 4.14	35 10 2.62	42.702	+ 41.1	49.9	2 56 . .	.	.	.
35	η Tauri	6	41 17.80	+ 0.38	+ 4.14	15 4 1.52	43.598	+ 15.8	49.2	3 41 . .	.	.	.
36	ζ Persei	10	47 35.49	+ 0.42	+ 4.15	7 16 1.88	45.548	+ 7.5	50.3	3 47 . .	.	.	.
37	ϵ Leonis	11	39 59.07	+ 0.53	+ 3.56	14 36 2.22	45.264	+ 15.6	49.2	9 40 . .	.	.	.
38	μ Leonis	11	46 53.24	+ 0.54	+ 3.49	12 22 1.72	43.460	+ 13.1	48.5	9 46 . .	.	.	.
39	α Leonis	11	2 51.76	+ 0.50	+ 3.63	26 22 . .	.	.	.	10 2 . .	.	.	.
40	Jupiter I, N. . . .	5	15 57.80	+ 0.49	+ 3.55	26 40 2.50	44.060	+ 30.0	50.0	10 16 1.84	+ 1.50	+ 12 10 57.7	.
41	Jupiter II, S. . . .	6	16 0.80	+ 0.49	+ 3.55	26 40 2.50	46.198	+ 30.0	50.0	10 16 4.84	- 1.50	+ 12 10 16.8	.
42	ρ Leonis	11	27 21.97	+ 0.49	+ 3.54	29 0 2.42	46.974	+ 33.1	50.6	10 27 . .	.	.	.
43	226 B. Cephei s. p.	8	30 18.52	- 0.24	[+ 4.12]	294 33 57.02	48.350	- 2 9.3	[50.2]	22 30 . .	.	.	.
44	ι Leonis	11	43 49.35	+ 0.49	+ 3.55	27 44 5.20	49.412	+ 31.5	50.5	10 43 . .	.	.	.
45	48 H. Cephei s. p.	10	7 9.10	- 0.33	[+ 3.86]	296 14 2.32	47.880	- 2 0.3	[51.9]	3 7 . .	.	.	.
46	β Libræ	11	11 26.41	+ 0.44	+ 3.46	47 50 2.88	46.631	+ 1 6.1	50.2	15 11 . .	.	.	.
47	α Coronæ Borealis	11	30 18.05	+ 0.54	+ 3.40	11 48 2.48	44.007	+ 12.6	49.8	15 30 . .	.	.	.

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
25	10	38	29.460	35.4	33.3	I, 21, 41.	Bisections at II, VI.	1	+ 0.9	- 21.2	.	- 20.3
	11	34	29.458	34.2	32.3	4, 15.	Bisections at C ₁ , C ₃ , C ₅ .	6	+ 0.4	.	.	+ 0.4
	16	15	29.444	31.9	31.1	12, 13, 16, 20, 21.	Z. D. thread A used.	12	+ 5.3	+ 16 4.1	.	+ 16 9.4
26	0	24	29.520	43.1	40.5	12, 19, 29.	Bisections at I, II.	13	+ 5.2	- 16 4.1	.	- 15 58.9
	1	5	29.514	43.9	41.8	13, 30, 36.	Bisections at VI, VII.	16	+ 6.2	+ 20.5	.	+ 26.7
	2	20	29.500	46.1	42.6	20, 40.	Bisections at I, VII.	20	+ 0.9	+ 22.3	.	+ 23.2
	2	56	29.498	46.6	43.1	31.	Bisections at C ₁ , C ₂ .	21	+ 0.9	- 22.2	.	- 21.3
	10	2	29.610	36.6	36.2	43.	Bisections at C ₃ , C ₂ , B ₃ .	28	+ 4.2	.	0.0	+ 4.2
	10	39	29.604	36.8	35.6	45.	Bisections at D ₃ , C ₃ , D ₁ .	29	+ 5.2	+ 16 4.1	.	+ 16 9.3
	20	24	29.644	34.2	33.6	47.	Bisections at I, II, VI.	30	+ 5.2	- 16 4.0	.	- 15 58.8
	21	20	29.668	38.0	37.5			33	+ 6.2	+ 20.8	.	+ 27.0
27	0	23	29.662	45.1	44.1			40	+ 0.8	- 20.5	.	- 19.7
	1	31	29.672	46.4	44.9			41	+ 0.8	+ 20.4	.	+ 21.2
	2	41	29.664	46.8	44.6							
	3	47	29.800	46.8	44.5							
	9	39	29.808	37.3	36.5							
	10	33	29.808	36.7	35.9							
	15	33	29.824	36.1	35.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instrum.	Clock.								
1	α Serpentis.	11	39	10.12	+ 0.48	+ 3.38	32 6 2.58	44.635	+ 37.6	50.4	15 39 . .			
2	Uranus C, C.	11	46	20.28	+ 0.40	+ 3.37	58 30 2.18	44.136	+ 1 37.6	50.0	15 46 24.05		- 19 40 10.7	
3	Saturn I.	5	55	9.34	+ 0.41	+ 3.36	56 54 . .				15 55 13.11	+ 0.69		
4	Saturn II.	6	55	10.73	+ 0.41	+ 3.36					15 55 14.50	- 0.70		
5	β Scorpii.	11	59	25.54	+ 0.40	+ 3.29	58 22 2.25	42.471	+ 1 37.1	50.8	15 59 . .			
6	α Cygni.	11	37	51.26	+ 0.62	+ 3.15	353 56 3.05	47.448	- 6.3	49.7	20 37 . .			
7	γ Cygni.	11	53	16.13	+ 0.60	+ 3.14	358 6 2.58	42.446	- 1.9	49.2	20 53 . .			
8	δ Cygni.	11	8	29.60	+ 0.57	+ 3.13	9 4 2.75	41.632	+ 9.6	49.8	21 8 . .			
9	Moon II.	9	13	50.95	+ 0.48	+ 3.09	55 34 . .				21 13 54.52	- 66.25		
10	α Cephei.	11	16	1.69	+ 0.72	[+ 3.22]	336 44 5.08	41.180	- 25.7	[49.7]	21 16 . .			
11	β Aquarii.	6	26	5.47	+ 0.49	+ 2.99	44 52 2.85	43.900	+ 59.7	49.9	21 26 . .			
March 28, Br.														
12	ϵ Pegasi.	9	39	5.78	+ 0.43	+ 1.89	29 26 4.85	46.534	+ 33.7	49.6	21 39 . .			
13	α Piscis Australis.	4					69 0 3.30	40.757	+ 2 33.2	51.5	22 51 . .			
March 29, Br.														
14	Sun I.	11	32	58.64	+ 0.43	+ 1.68	35 10 . .				0 33 0.75	+ 64.42		
15	Sun II.	7	35	7.47	+ 0.43	+ 1.68					0 35 9.58	- 64.41		
16	β Andromedæ.	5	3	55.60	+ 0.45	+ 1.54	3 46 3.38	46.740	+ 3.9	52.5	1 3 . .			
17	α Ursæ Minoris.	5	20	10.08	+ 2.13	[+ 1.54]	310 6 2.00	46.838	+ 1 8.9	[51.3]	1 20 . .			
18	α Arctis.	11	1	20.15	+ 0.44	+ 1.54	15 52 5.88	45.671	+ 16.6	52.6	2 1 . .			
19	η Tauri.	11	41	20.32	+ 0.44	+ 1.54	15 4 1.38	43.828	+ 15.6	53.0	3 41 . .			
20	ζ Persei.	10	47	38.11	+ 0.44	+ 1.48	7 16 5.88	45.576	+ 7.4	53.1	3 47 . .			
21	ϵ Tauri.	11	22	35.17	+ 0.44	+ 1.37	19 54 7.12	43.595	+ 21.0	53.4	4 22 . .			
22	α Tauri.	10	29	59.64	+ 0.44	+ 1.41	22 32 8.68	46.521	+ 24.0	53.9	4 30 . .			
23	γ Ursæ Majoris.	9	2	37.55	+ 0.40	[+ 0.59]	330 4 . .				8 2 . .			
24	η Cancri.	9	26	46.28	+ 0.33	+ 0.98	18 2 3.32	49.489	+ 19.2	52.1	8 26 . .			
25	μ Leonis.	11	46	56.05	+ 0.34	+ 0.86	12 22 4.80	43.488	+ 13.0	52.3	9 46 . .			
26	α Leonis.	11	2	54.65	+ 0.32	+ 0.91	26 22 4.78	46.940	+ 29.3	52.9	10 2 . .			
27	Jupiter I, N.	3	15	22.28	+ 0.32	+ 0.91	26 36 6.85	46.162	+ 29.6	52.6	10 15 23.51	+ 1.38	+ 12 14 16.0	
28	Jupiter II, S.	5	15	25.04	+ 0.32	+ 0.91	26 36 6.85	48.135	+ 29.6	52.6	10 15 26.27	- 1.38	+ 12 13 38.3	
29	γ Leonis.	11	43	52.18	+ 0.32	+ 0.88	27 44 6.02	49.500	+ 31.1	52.7	10 43 . .			
30	δ Leonis.	11	8	39.61	+ 0.34	+ 0.91	17 46 5.15	44.344	+ 19.0	53.6	11 8 . .			
31	β Libræ.	11	11	29.26	+ 0.29	+ 0.80	47 50 4.60	46.690	+ 1 5.8	52.7	15 11 . .			
32	μ Bootis.	11	20	37.24	+ 0.35	+ 0.94	1 6 4.00	48.880	+ 1.2	52.4	15 20 . .			
33	Uranus C, C.	11	46	12.02	+ 0.27	+ 0.85	58 30 4.62	42.340	+ 1 37.1	52.6	15 46 13.14		- 19 39 35.6	
34	Saturn I, S.	5	54	56.45	+ 0.27	+ 0.85	56 54 2.38	44.470	+ 1 31.4	52.6	15 54 57.57	+ 0.62	- 18 4 8.4	
35	Saturn II, N.	5	54	57.70	+ 0.27	+ 0.85	56 54 2.38	43.730	+ 1 31.3	52.6	15 54 58.82	- 0.63	- 18 3 54.3	
36	β Herculis.	11	25	48.40	+ 0.33	+ 0.85	17 8 2.50	46.365	+ 18.4	52.2	16 25 . .			
37	η Herculis.	11	39	22.63	+ 0.35	+ 0.85	359 44 2.70	46.670	- 0.2	51.7	16 39 . .			
38	κ Ophiuchi.	11	52	48.43	+ 0.32	+ 0.81	29 18 5.05	47.620	+ 33.5	53.3	16 52 . .			
March 30, K.														
39	γ H. Draconis.	10	22	35.58	+ 0.97	[+ 1.22]	317 4 0.12	48.411	- 53.3	[53.4]	9 22 . .			
40	ϵ Leonis.	11	40	2.49	+ 0.34	+ 0.30	14 36 1.98	45.492	+ 15.1	53.1	9 40 . .			
41	μ Leonis.	11	46	56.68	+ 0.34	+ 0.22	12 22 0.80	43.734	+ 12.7	52.8	9 46 . .			
42	α Leonis.	11	2	55.16	+ 0.31	+ 0.40	26 22 0.50	47.176	+ 28.7	52.5	10 2 . .			
43	Jupiter I, S.	5	15	4.62	+ 0.31	+ 0.28	26 34 1.80	39.448	+ 29.0	52.9	10 15 5.21	+ 1.45	+ 12 15 15.5	
44	Jupiter II, N.	6	15	7.52	+ 0.31	+ 0.28	26 34 1.80	37.260	+ 28.9	52.9	10 15 8.11	- 1.45	+ 12 15 57.7	
45	ρ Leonis.	11	27	25.43	+ 0.30	+ 0.25	29 0 1.35	47.202	+ 32.1	53.1	10 27 . .			
46	α Serpentis.	11	39	13.70	+ 0.30	+ 0.05	32 6 0.85	44.934	+ 36.7	52.5	15 39 . .			
47	Uranus C, C.	11	46	7.35	+ 0.23	+ 0.09	58 28 1.18	48.010	+ 1 35.2	52.9	15 46 7.67		- 19 39 18.7	

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°	I.	Bisection at VI.	2	' "	' "	"	' "
27 15 50	29.825	35.6	34.3	10, 11, 32.	Bisections at VI, VII.	27	+ 0.4	- 18.8	.	+ 0.4
27 20 37	29.920	36.3	30.1							18.0
27 21 22	29.944	36.4	36.0	13.	Bisections at I, II, VII.	28	+ 0.8	+ 18.9	.	+ 19.7
28 21 43	30.132	43.5	42.2	17.	Bisections at C ₁ , C ₂ , C ₃ , C ₅ .	33	+ 0.4	.	.	+ 0.4
28 22 46	30.136	48.5	45.3	19, 28, 35, 44.	Bisections at II, VI.	34	+ 0.8	+ 7.0	.	+ 7.8
29 0 35	30.110	51.5	50.2	27, 34, 43.	Bisections at I, VII.	35	+ 0.8	- 7.1	.	- 6.3
29 3 31	30.068	57.5	56.1	39.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	43	+ 0.8	+ 21.1	.	+ 21.9
29 4 42	30.060	59.5	55.5	43, 44.	Z. D. thread A used.	44	+ 0.8	- 21.1	.	- 20.3
29 8 11	30.036	49.0	47.6			47	+ 0.4	.	.	+ 0.4
29 9 53	30.040	49.5	45.4							
29 11 55	30.042	45.0	43.8							
29 15 35	30.004	41.5	39.8							
29 17 6	29.990	40.9	38.9							
29 9 26	29.940	55.8	55.9							
29 9 59	29.946	55.0	54.9							
29 10 27	29.940	54.5	53.5							
29 15 41	29.934	49.2	48.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	Saturn I, S.	5	54 48.92	+ 0.24	+ 0.08	56 52 1.12	39.108	+ 1 29.5	52.9	15 54 49.24	+ 0.73	- 18 3 37.4	. .
2	Saturn II, N.	6	54 50.37	+ 0.24	+ 0.08	56 52 1.12	38.015	+ 1 29.5	52.9	15 54 50.69	- 0.72	- 18 3 16.5	. .
3	β^1 Scorpii	11	59 29.02	+ 0.23	+ 0.06	58 22 1.48	42.785	+ 1 34.7	53.6	15 59 . . .	. .		. .
4	Groombridge 2320.	11	6 4.74	+ 0.55	[- 0.02]	330 46 . . .	. . .	. . .	. . .	16 6 . . .	. .		. .
5	δ Ophiuchi	11	8 58.80	+ 0.27	+ 0.10	42 16 2.20	46.139	+ 53.2	52.8	16 8 . . .	. .		. .
6	α Scorpii	11	23 7.69	+ 0.21	+ 0.10	65 2 2.18	43.441	+ 2 5.3	52.8	16 23 . . .	. .		. .
March 30, Ia.													
7	α Andromedæ	11	3 3.41	+ 0.36	- 0.15	10 20 0.22	44.109	+ 10.7	51.2	0 3 . . .	. .		. .
March 31, Ia.													
8	Sun I, N.	11	40 17.05	+ 0.34	- 0.21	34 8 3.05	43.090	+ 39.4	51.9	0 40 17.18	+ 64.56	+ 4 43 10.3	. .
9	Sun II, S.	11	42 26.17	+ 0.34	- 0.21	34 40 5.98	43.005	+ 40.2	51.9	0 42 26.30	- 64.56	+ 4 11 4.3	. .
10	β Andromedæ	11	3 57.45	+ 0.37	- 0.23	3 46 0.12	46.900	+ 3.9	52.0	1 3 . . .	. .		. .
11	α Ursæ Minoris	5	20 12.68	+ 0.81	[- 0.20]	310 6 2.50	46.887	- 1 8.6	[52.5]	1 20 . . .	. .		. .
12	α Arietis	8	1 21.93	+ 0.36	- 0.16	15 52 2.32	45.810	+ 16.5	51.8	2 1 . . .	. .		. .
13	Venus I, S.	11	46 32.81	+ 0.36	- 0.25	16 12 2.05	44.841	+ 16.8	51.9	2 46 32.92	+ 1.59	+ 22 38 58.2	. .
14	α Ceti	11	56 54.09	+ 0.34	- 0.31	35 10 3.15	42.865	+ 40.6	53.1	2 56 . . .	. .		. .
15	η Tauri	11	41 22.19	+ 0.36	- 0.27	15 4 2.22	43.719	+ 15.5	51.7	3 41 . . .	. .		. .
16	ζ Persei	11	47 39.98	+ 0.36	- 0.33	7 16 0.80	45.762	+ 7.4	51.5	3 47 . . .	. .		. .
17	ϵ Leonis	11	40 3.22	+ 0.29	- 0.39	14 36 3.35	45.280	+ 15.3	50.6	9 40 . . .	. .		. .
18	μ Leonis	11	46 57.35	+ 0.30	- 0.42	12 22 3.10	43.574	+ 12.9	52.3	9 46 . . .	. .		. .
19	α Leonis	11	2 56.04	+ 0.25	- 0.43	26 22 3.20	47.019	+ 29.1	52.7	10 2 . . .	. .		. .
20	Jupiter I, S.	6	14 47.63	+ 0.25	- 0.40	26 32 3.70	40.792	+ 29.4	51.8	10 14 47.48	+ 1.47	+ 12 16 46.4	. .
21	Jupiter II, N.	5	14 50.56	+ 0.25	- 0.40	26 32 3.70	38.572	+ 29.4	51.8	10 14 50.41	- 1.46	+ 12 17 29.0	. .
22	ρ Leonis	11	27 26.07	+ 0.24	- 0.33	29 0 3.02	47.020	+ 32.6	51.8	10 27 . . .	. .		. .
23	ι Cephei S. P.	11	45 58.86	+ 0.02	[- 0.60]	284 33 55.95	46.328	- 3 41.1	[51.8]	22 45 . . .	. .		. .
March 31, B.													
24	α Aquarii	11	0 30.87	+ 0.19	- 0.81	39 40 10.38	43.448	+ 49.5	52.6	22 0 . . .	. .		. .
25	α Piscis Australis	10	51 59.13	+ 0.07	- 0.97	69 0 3.18	40.528	+ 2 34.1	50.4	22 51 . . .	. .		. .
26	α Pegasi	11	59 38.72	+ 0.24	- 0.96	24 12 17.92	43.368	+ 26.8	52.9	22 59 . . .	. .		. .
27	α Andromedæ	11	3 4.21	+ 0.29	- 0.87	10 20 3.18	44.041	+ 10.8	52.9	0 3 . . .	. .		. .
April 1, B.													
28	Sun I, N.	11	43 56.49	+ 0.21	- 0.95	33 44 4.10	45.875	+ 39.5	52.8	0 43 55.75	+ 64.57	+ 5 6 16.6	. .
29	Sun II, S.	11	46 5.63	+ 0.21	- 0.95	34 16 2.75	45.968	+ 40.2	52.8	0 46 4.89	- 64.57	+ 4 34 11.7	. .
30	β Andromedæ	11	3 58.27	+ 0.32	- 0.99	3 46 0.45	46.904	+ 4.0	52.3	1 3 . . .	. .		. .
31	α Ursæ Minoris	5	20 7.38	+ 6.80	[- 1.01]	310 6 2.60	46.863	- 1 9.6	[50.5]	1 20 . . .	. .		. .
32	β Arietis	11	48 57.86	+ 0.26	- 1.02	18 31 57.98	46.819	+ 19.8	52.8	1 48 . . .	. .		. .
33	α Arietis	10	1 22.82	+ 0.27	- 0.96	15 52 4.32	45.795	+ 16.8	53.7	2 1 . . .	. .		. .
34	Venus I, S.	11	47 25.15	+ 0.27	- 1.02	16 2 3.68	49.966	+ 17.0	53.6	2 47 24.40	+ 1.62	+ 22 47 19.8	. .
35	α Ceti	9	56 54.89	+ 0.20	- 0.97	35 10 4.52	42.740	+ 41.4	54.3	2 56 . . .	. .		. .
36	α Leonis	11	2 56.96	+ 0.29	- 1.40	26 22 5.58	46.794	+ 29.6	51.3	10 2 . . .	. .		. .
37	Jupiter I, S.	6	14 31.58	+ 0.29	- 1.37	26 32 6.65	46.100	+ 29.8	50.6	10 14 30.50	+ 1.44	+ 12 18 15.2	. .
38	Jupiter II, N.	5	14 34.46	+ 0.29	- 1.37	26 32 6.65	43.968	+ 29.8	50.6	10 14 33.38	- 1.44	+ 12 18 56.2	. .
39	ρ Leonis	11	27 27.05	+ 0.28	- 1.36	29 0 7.02	46.805	+ 33.1	50.8	10 27 . . .	. .		. .
40	ι Leonis	11	43 54.51	+ 0.28	- 1.43	27 44 5.92	49.381	+ 31.5	50.8	10 43 . . .	. .		. .
41	δ Leonis	11	8 41.89	+ 0.32	- 1.36	17 46 6.30	44.040	+ 19.2	49.3	11 8 . . .	. .		. .
42	β Libræ	11	11 31.70	+ 0.20	- 1.48	47 50 5.02	46.545	+ 1 7.4	51.8	15 11 . . .	. .		. .
43	α Serpentis	11	39 15.37	+ 0.27	- 1.54	32 6 58.02	41.677	+ 38.1	49.3	15 39 . . .	. .		. .
44	Uranus C, C.	11	45 57.08	+ 0.16	- 1.54	58 27 59.25	45.818	+ 1 38.7	50.8	15 45 55.70	. .	- 19 38 41.7	. .
45	Saturn I, S.	6	54 33.08	+ 0.17	- 1.54	56 52 3.80	45.165	+ 1 32.6	50.8	15 54 31.71	+ 0.66	- 18 2 26.2	. .
46	Saturn II, N.	5	54 34.40	+ 0.17	- 1.54	56 52 3.80	44.278	+ 1 32.6	50.8	15 54 33.03	- 0.66	- 18 2 9.3	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ "	/ "	"	/ "
30 16 20	29.924	48.0	47.1	1, 2, 20, 21.	Z. D. thread A used.	1	+ 0.8	+ 10.5	. .	+ 11.3
23 58	30.052	53.1	52.1	1, 20, 37, 45.	Bisections at I, VII.	2	+ 0.8	- 10.4	. .	- 9.6
31 0 42	30.040	54.3	53.2	2, 21, 38, 46.	Bisections at II, VI.	8	+ 4.9	- 16 3.0	. .	- 15 58.1
1 15	30.042	54.3	53.2	8, 28, 39.	Bisections at I, II.	9	+ 5.0	+ 16 2.9	. .	+ 16 7.9
2 1	30.028	55.6	54.6	9, 12, 25, 29, 33, 35, 44.	Bisections at VI, VII.	13	+ 6.3	+ 22.2	. .	+ 28.5
2 50	30.012	57.8	56.3	11.	Bisections at C ₁ , C ₃ , C ₅ .	20	+ 0.8	+ 21.3	. .	+ 22.1
3 44	30.004	58.8	57.8	23.	Bisections at III, IV, V.	21	+ 0.8	- 21.3	. .	- 20.5
9 40	30.038	50.4	49.8	31.	Bisections at C ₂ , C ₃ , C ₄ .	28	+ 4.9	- 16 2.4	. .	- 15 57.5
10 14	30.034	48.9	48.2	43.	Bisections at II, VI, VII.	29	+ 5.0	+ 16 2.4	. .	+ 16 7.4
10 35	30.034	48.4	47.2			34	+ 6.4	+ 22.5	. .	+ 28.9
21 55	30.202	44.5	42.3			37	+ 0.8	+ 20.5	. .	+ 21.3
22 55	30.222	47.7	43.9			38	+ 0.8	- 20.5	. .	- 19.7
23 45	30.222	49.0	46.1			44	+ 0.4	. .	. .	+ 0.4
1 0 46	30.208	49.8	48.0			45	+ 0.8	+ 8.4	. .	+ 9.2
2 0	30.196	50.6	48.6			46	+ 0.8	- 8.5	. .	- 7.7
3 0	30.184	52.6	49.2							
10 0	30.136	43.5	41.9							
11 0	30.128	42.0	41.0							
15 25	30.088	37.5	30.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	β^2 Scorpii	12	59 30.72	+ 0.16	- 1.52	58 21 57.62	42.739	+ 1 38.0	52.0	15 59 . .	. .		. .
2	δ Ophiuchi	11	9 0.60	+ 0.23	- 1.61	42 15 59.15	46.069	+ 54.8	50.0	16 8 . .	. .		. .
3	α Scorpii	11	23 9.49	+ 0.13	- 1.56	65 2 4.38	43.051	+ 2 8.8	50.8	16 23 . .	. .		. .
	April 1, K.												
4	α Aquarii	11	0 31.82	+ 0.31	- 1.85	39 40 2.82	43.750	+ 48.8	50.2	22 0 . .	. .		. .
5	η Aquarii	11	30 6.02	+ 0.31	- 1.97	39 30 1.42	42.848	+ 48.3	52.3	22 30 . .	. .		. .
6	ζ Pegasi	10	36 21.48	+ 0.33	- 1.95	28 34 1.45	42.222	+ 31.9	52.2	22 36 . .	. .		. .
7	α Pegasi	10	59 39.64	+ 0.33	- 1.95	24 12 0.05	44.160	+ 26.3	51.2	22 59 . .	. .		. .
	April 2, K.												
8	Sun I, N.	11	47 36.21	+ 0.32	- 2.03	33 22 13.78	42.240	+ 38.1	51.5	0 47 34.50	+64.43	+ 5 29 16.7	. .
9	Sun II, S.	10	49 45.06	+ 0.32	- 2.03	33 54 15.18	41.910	+ 38.9	51.5	0 49 43.35	-64.42	+ 4 57 17.0	. .
10	γ H. Draconis	10	22 37.65	+ 0.90	- 2.10	317 4 3.55	48.197	+ 53.9	[52.7]	9 22 . .	. .		. .
11	ϵ Leonis	11	40 5.00	+ 0.29	- 2.19	14 36 0.80	45.432	+ 15.2	51.1	9 40 . .	. .		. .
12	μ Leonis	11	46 59.36	+ 0.30	- 2.45	12 22 2.08	43.569	+ 12.8	51.2	9 46 . .	. .		. .
13	α Leonis	11	2 58.09	+ 0.27	- 2.51	26 22 1.68	47.094	+ 29.0	52.5	10 2 . .	. .		. .
14	Jupiter I, N.	6	14 16.25	+ 0.26	- 2.43	26 30 2.12	35.880	+ 29.1	51.3	10 14 14.08	+ 1.38	+ 12 20 21.9	. .
15	Jupiter II, S.	5	14 19.00	+ 0.26	- 2.43	26 30 2.12	38.090	+ 29.2	51.3	10 14 16.83	- 1.37	+ 12 19 39.6	. .
16	ρ Leonis	11	27 28.23	+ 0.26	- 2.53	29 0 2.28	47.034	+ 32.4	51.1	10 27 . .	. .		. .
17	Uranus C, C.	11	45 52.15	+ 0.19	- 2.67	58 28 2.82	44.740	+ 1 36.4	51.3	15 45 49.67	. .	- 19 38 20.4	. .
18	ζ Ursæ Minoris	8	47 50.71	+ 0.70	- 2.74	320 44 . .	. .	+ 1 30.7	51.3	15 47 . .	. .		. .
19	Saturn I, N.	6	54 24.85	+ 0.19	- 2.67	56 50 1.20	38.665	+ 1 30.7	51.3	15 54 22.37	+ 0.61	- 18 1 31.7	. .
20	Saturn H, S.	5	54 26.08	+ 0.19	- 2.67	56 50 1.20	39.702	+ 1 30.7	51.3	15 54 23.60	- 0.62	- 18 1 31.8	. .
21	β^1 Scorpii	9	59 31.88	+ 0.19	- 2.68	58 21 58.95	42.698	+ 1 36.0	51.9	15 59 . .	. .		. .
22	δ Ophiuchi	11	9 1.67	+ 0.23	- 2.66	42 16 3.70	45.956	+ 54.0	51.6	16 8 . .	. .		. .
23	α Scorpii	11	23 10.61	+ 0.17	- 2.69	65 2 3.05	43.230	+ 2 7.1	51.2	16 23 . .	. .		. .
24	β Herculis	11	25 52.12	+ 0.29	- 2.72	17 8 2.18	46.230	+ 18.4	49.7	16 25 . .	. .		. .
	April 2, S.												
25	β Aquarii	11	26 11.66	+ 0.30	- 2.86	44 52 3.62	43.968	+ 58.3	51.2	21 26 . .	. .		. .
26	ϵ Pegasi	11	39 10.82	+ 0.33	- 2.93	29 26 4.50	46.664	+ 33.1	51.3	21 39 . .	. .		. .
27	α Aquarii	11	0 32.89	+ 0.30	- 2.89	39 40 4.62	43.635	+ 48.5	51.0	22 0 . .	. .		. .
	April 3, S.												
28	Sun I, N.	11	51 15.89	+ 0.32	- 3.00	32 58 2.75	46.048	+ 37.5	51.8	0 51 13.21	+64.55	+ 5 52 15.6	. .
29	Sun II, S.	11	53 25.00	+ 0.32	- 3.01	33 30 2.60	45.955	+ 38.3	51.8	0 53 22.31	-64.55	+ 5 20 13.0	. .
30	β Andromedæ	11	4 0.22	+ 0.39	- 3.00	3 46 3.55	46.662	+ 3.9	51.9	1 3 . .	. .		. .
31	α Ursæ Minoris	8	20 11.18	+ 4.96	- 3.03	310 6 2.05	46.890	+ 1 8.2	[51.2]	1 20 . .	. .		. .
32	α Arietis	11	1 24.84	+ 0.36	- 3.07	15 52 2.72	45.872	+ 16.4	51.7	2 1 . .	. .		. .
33	Venus I, S.	11	48 45.29	+ 0.36	- 3.08	15 48 3.32	50.079	+ 16.4	51.8	2 48 42.57	+ 1.68	+ 23 1 16.8	. .
34	α Ceti	11	56 56.89	+ 0.31	- 3.09	35 10 4.55	42.785	+ 40.6	53.1	2 56 . .	. .		. .
35	η Tauri	11	41 24.95	+ 0.36	- 3.06	15 4 3.48	43.664	+ 15.5	51.7	3 41 . .	. .		. .
36	ζ Persei	10	47 42.72	+ 0.38	- 3.13	7 16 3.95	45.648	+ 7.4	52.2	3 47 . .	. .		. .
37	η Cancri	11	26 50.54	+ 0.30	- 3.33	18 2 3.60	49.381	+ 19.2	50.5	8 26 . .	. .		. .
38	ϵ Hydræ	11	41 24.64	+ 0.26	- 3.42	32 2 4.52	47.694	+ 36.9	51.7	8 41 . .	. .		. .
39	κ Cancri	11	2 15.60	+ 0.27	- 3.39	27 44 5.08	50.571	+ 31.1	51.3	9 2 . .	. .		. .
40	ϵ Leonis	11	40 6.12	+ 0.30	- 3.33	14 36 4.32	45.212	+ 15.5	50.7	9 40 . .	. .		. .
41	α Leonis	11	2 58.97	+ 0.28	- 3.41	26 22 5.30	46.819	+ 29.5	51.5	10 2 . .	. .		. .
42	Jupiter I, S.	6	14 1.23	+ 0.28	- 3.41	26 28 4.55	50.070	+ 29.7	51.1	10 13 58.10	+ 1.41	+ 12 21 1.8	. .
43	Jupiter II, N.	5	14 4.04	+ 0.28	- 3.41	26 28 4.55	47.932	+ 29.6	51.1	10 14 0.91	- 1.40	+ 12 21 42.9	. .
44	α^2 Libræ	11	45 16.86	+ 0.21	- 3.57	54 26 3.10	47.748	+ 1 22.0	48.8	14 45 . .	. .		. .
45	β Ursæ Minoris	11	51 8.55	+ 0.65	- 3.58	324 18 3.08	43.935	+ 42.9	[50.7]	14 51 . .	. .		. .
46	β Libræ	11	11 33.85	+ 0.23	- 3.62	47 50 4.50	46.500	+ 1 6.3	49.8	15 11 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
1 16 30		37.8	37.2	5, 7, 9, 21, 25, 27, 29, 30.	Bisections at VI, VII.	8	+ 4.8	-15 59.8	. .	-15 55.0
22 0	30.088	47.6	47.3	8, 28.	Bisections at I, II.	9	+ 4.9	+15 59.8	. .	+16 4.7
22 35	30.088	49.7	49.7	10, 31.	Bisections at C ₁ , C ₂ , C ₃ .	14	+ 0.8	- 21.2	. .	- 20.4
23 2	30.086	53.3	51.0	14, 15, 19, 20.	Z. D. thread A used.	15	+ 0.8	+ 21.1	. .	+ 21.9
2 0 45	29.940	51.7	50.4	14, 19, 43.	Bisections at I, VII.	17	+ 0.4	. .	. .	+ 0.4
10 25	29.930	50.7	48.6	15, 20, 42.	Bisections at II, VI.	19	+ 0.8	- 10.0	. .	- 9.2
15 43	29.914	42.0	41.4	45.	Bisections at III, IV, V.	20	+ 0.8	+ 10.1	. .	+ 10.9
16 20	29.920	41.8	40.3	46.	Bisections at II, VI, VII.	28	+ 4.8	-16 1.3	. .	-15 56.5
21 17	30.052	49.6	49.0			29	+ 4.9	+16 1.2	. .	+16 6.1
23 26	30.089	55.7	53.6			33	+ 6.5	+ 23.2	. .	+ 29.7
3 0 53	30.086	57.0	56.2			42	+ 0.8	+ 20.6	. .	+ 21.4
1 44	30.071	58.1	57.2			43	+ 0.8	- 20.5	. .	- 19.7
3 2	30.057	58.9	58.0							
3 54	30.063	59.1	58.1							
8 19	30.128	50.0	48.4							
9 35	30.136	47.4	45.1							
14 40	30.108	40.3	38.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.								
			m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Uranus C. C. . . .	11	45 46.69	+ 0.20	- 3.58	58 28 3.15	43.556	+ 1 37.8	49.4	15 45 43.31	- 19 38 1.4	. .
2	Saturn I, S. . . .	6	54 16.10	+ 0.21	- 3.59	56 50 3.42	47.562	+ 1 31.9	49.4	15 54 12.72	+ 0.65	- 18 1 12.6
3	Saturn II, N. . . .	5	54 17.40	+ 0.21	- 3.59	56 50 3.42	46.655	+ 1 31.9	49.4	15 54 14.02	- 0.65	- 18 0 55.1
4	δ Ophiuchi	11	9 2.59	+ 0.24	- 3.56	42 16 4.38	45.792	+ 1 54.7	49.8	16 8 . . .	. . .	. .
5	α Scorpii	11	23 11.50	+ 0.18	- 3.56	65 2 3.70	43.019	+ 2 8.8	49.4	16 23 . . .	. . .	. .
April 4, Br.												
6	α Andromedæ . . .	10	3 8.29	+ 0.26	- 4.87	10 20 0.18	44.200	+ 10.4	52.2	0 3 . . .	. . .	. .
7	γ Pegasi	5	8 0.81	+ 0.26	- 5.01	24 14 5.12	45.220	+ 25.5	53.5	0 7 . . .	. . .	. .
April 5, Br.												
8	Sun I, N. . . .	10	58 35.96	+ 0.26	- 4.99	32 12 3.25	47.542	+ 35.4	53.6	0 58 31.23	+ 64.59	+ 6 37 50.3
9	Sun II, S. . . .	11	0 45.15	+ 0.26	- 5.00	32 44 4.35	47.412	+ 36.1	53.6	1 0 40.41	- 64.59	+ 6 5 47.3
10	α Ursæ Minoris . .	11	20 20.40	- 1.99	[- 5.14]	310 6 10.20	46.610	- 1 7.7	[53.9]	1 20 . . .	. . .	. .
11	β Arietis	10	49 1.98	+ 0.26	- 5.13	18 32 3.90	46.646	+ 18.8	54.1	1 48 . . .	. . .	. .
12	α Arietis	11	1 27.07	+ 0.26	- 5.20	15 52 1.92	46.028	+ 15.9	53.3	2 1 . . .	. . .	. .
13	Venus I, S. . . .	11	49 30.67	+ 0.26	- 5.11	15 38 1.30	50.179	+ 15.7	53.6	2 49 25.82	+ 1.73	+ 23 11 19.4
14	α Ceti	11	56 59.05	+ 0.26	- 5.21	35 8 . . .	. . .	. . .	. . .	2 56 . . .	. . .	. .
15	Moon I. . . .	11	28 49.23	+ 0.27	- 5.15	15 2 . . .	. . .	. . .	. . .	3 28 44.35	+ 66.93	. . .
16	α Aurigæ	11	9 10.78	+ 0.24	- 5.07	352 58 0.92	43.498	- 6.8	53.5	5 9 . . .	. . .	. .
17	β Tauri	11	19 52.87	+ 0.26	- 5.11	10 20 0.38	44.166	+ 10.1	55.1	5 19 . . .	. . .	. .
18	5 Ursæ Minoris . .	9	27 56.12	+ 0.67	[- 6.03]	322 43 54.88	42.301	- 43.4	[54.1]	14 27 . . .	. . .	. .
19	α Libræ	11	45 19.05	+ 0.24	- 5.76	54 26 4.45	48.146	+ 1 20.1	55.8	14 45 . . .	. . .	. .
20	β Libræ	11	11 36.00	+ 0.26	- 5.76	47 50 4.22	46.991	+ 1 3.3	55.4	15 11 . . .	. . .	. .
21	Uranus C. C. . . .	11	45 35.67	+ 0.23	- 5.81	58 26 3.20	48.152	+ 1 33.1	55.1	15 45 30.09	. . .	- 19 37 19.1
22	Saturn I, S. . . .	5	53 57.69	+ 0.23	- 5.81	56 50 3.30	44.015	+ 1 27.5	55.1	15 53 52.11	+ 0.56	- 17 59 54.2
23	Saturn II, N. . . .	3	53 58.82	+ 0.23	- 5.81	56 50 3.30	43.170	+ 1 27.5	55.1	15 53 53.24	- 0.57	- 17 59 38.2
24	β Herculis	11	25 55.27	+ 0.33	- 5.84	17 8 3.52	46.422	+ 17.7	54.3	16 25 . . .	. . .	. .
25	κ Ophiuchi	11	52 55.32	+ 0.30	- 5.87	29 18 3.68	47.811	+ 32.2	54.8	16 52 . . .	. . .	. .
April 6, K.												
26	α Leonis	11	3 1.85	+ 0.26	- 6.31	26 21 56.75	47.324	+ 28.7	51.9	10 2 . . .	. . .	. .
27	Jupiter I, S. . . .	5	13 20.50	+ 0.26	- 6.34	26 24 2.18	41.178	+ 28.8	51.9	10 13 14.42	+ 1.39	+ 12 24 41.2
28	Jupiter II, N. . . .	6	13 23.27	+ 0.26	- 6.34	26 24 2.18	38.942	+ 28.8	51.9	10 13 17.19	- 1.38	+ 12 25 24.1
29	ρ Leonis	11	27 32.05	+ 0.25	- 6.37	29 0 2.00	47.159	+ 32.1	53.1	10 27 . . .	. . .	. .
30	226 B. Cephei s. p. .	11	30 29.12	- 0.13	[- 6.00]	294 33 59.20	48.067	- 2 5.2	[53.5]	22 30 . . .	. . .	. .
31	l Leonis	11	43 59.47	+ 0.26	- 6.40	27 43 59.88	49.799	+ 30.5	52.0	10 43 . . .	. . .	. .
32	δ Leonis	11	8 46.88	+ 0.28	- 6.34	17 46 0.82	44.454	+ 18.6	51.6	11 8 . . .	. . .	. .
33	α Serpentis	11	39 20.45	+ 0.24	- 6.49	32 6 0.02	44.885	+ 36.9	51.3	15 39 . . .	. . .	. .
34	Uranus C. C. . . .	11	45 29.68	+ 0.17	- 6.55	58 25 59.28	46.901	+ 1 35.4	51.9	15 45 23.30	. . .	- 19 36 56.7
35	ζ Ursæ Minoris . .	11	47 54.59	+ 0.77	[- 6.41]	320 44 . . .	. . .	. . .	. . .	15 47 . . .	. . .	. .
36	Saturn I, S. . . .	5	53 47.78	+ 0.18	- 6.55	56 48 1.00	37.918	+ 1 29.6	51.9	15 53 41.41	+ 0.67	- 17 59 15.5
37	Saturn II, N. . . .	6	53 49.12	+ 0.18	- 6.55	56 48 1.00	36.855	+ 1 29.6	51.9	15 53 42.75	- 0.67	- 17 58 55.3
38	β Scorpii	11	59 35.94	+ 0.17	- 6.62	58 22 0.52	42.788	+ 1 34.9	52.5	15 59 . . .	. . .	. .
39	δ Ophiuchi	11	9 5.69	+ 0.22	- 6.57	42 16 1.68	46.048	+ 53.3	50.8	16 8 . . .	. . .	. .
40	α Scorpii	11	23 14.60	+ 0.15	- 6.55	65 2 0.68	43.498	+ 2 5.3	51.8	16 23 . . .	. . .	. .
April 7, S.												
41	α Serpentis	11	39 21.65	+ 0.27	- 7.70	32 6 3.40	44.640	+ 36.6	50.9	15 39 . . .	. . .	. .
42	Uranus C. C. . . .	11	45 23.75	+ 0.21	- 7.62	58 26 3.42	45.514	+ 1 34.9	51.0	15 45 16.34	. . .	- 19 36 34.7
43	Saturn I, S. . . .	6	53 37.90	+ 0.21	- 7.63	56 48 0.55	45.880	+ 1 29.1	51.0	15 53 30.48	+ 0.76	- 17 58 33.1
44	Saturn II, N. . . .	5	53 39.42	+ 0.21	- 7.63	56 48 0.55	44.915	+ 1 29.1	51.0	15 53 32.00	- 0.76	- 17 58 14.5
45	β Scorpii	11	59 37.00	+ 0.21	- 7.70	58 22 2.92	42.639	+ 1 34.6	51.7	15 59 . . .	. . .	. .
46	δ Ophiuchi	11	9 6.75	+ 0.25	- 7.64	42 16 4.48	45.919	+ 53.1	51.0	16 8 . . .	. . .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
3 15 44	30.102	39.2	37.4	2, 23, 28, 37, 43.	Bisections at II, VI.	1	+ 0.4	. . .	. . .	+ 0.4
16 17	30.100	35.7	36.8	3, 22, 27, 36, 44.	Bisections at I, VII.	2	+ 0.8	+ 8.7	. . .	+ 9.5
4 22 51	29.620	54.5	53.4	8.	Bisections at I, II.	3	+ 0.8	- 8.8	. . .	- 8.0
0 41	29.596	62.5	61.5	9.	Bisections at VI, VII.	8	+ 4.7	- 16 1.5	. . .	- 15 56.8
5 1 0	29.574	63.0	62.4	10, 30.	Bisections at C ₁ , C ₃ , C ₅ .	9	+ 4.8	+ 16 1.4	. . .	+ 16 6.2
2 13	29.570	65.8	65.2	27, 28, 36, 37.	Z. D. thread A used.	13	+ 6.6	+ 23.9	. . .	+ 30.5
3 53	29.512	68.5	67.4	41.	Bisection at VI.	21	+ 0.4	. . .	. . .	+ 0.4
5 28	29.480	69.5	68.6			22	+ 0.8	+ 8.0	. . .	+ 8.8
13 37	29.492	53.5	51.1			23	+ 0.8	- 8.0	. . .	- 7.2
15 3	29.492	52.0	50.2			27	+ 0.8	+ 21.5	. . .	+ 22.3
16 8	29.504	52.5	51.2			28	+ 0.8	- 21.4	. . .	- 20.6
17 4	29.518	52.0	51.1			34	+ 0.4	. . .	. . .	+ 0.4
6 10 5	29.688	50.8	49.5			36	+ 0.8	+ 10.1	. . .	+ 10.9
10 35	29.690	50.2	49.2			37	+ 0.8	- 10.1	. . .	- 9.3
11 5	29.700	49.6	48.6			42	+ 0.4	. . .	. . .	+ 0.4
15 43	29.718	44.5	42.5			43	+ 0.8	+ 9.3	. . .	+ 10.1
16 19	29.710	44.8	43.5			44	+ 0.8	- 9.3	. . .	- 8.5
7 16 6	29.833	47.8	47.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.								
			m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	r Herculis	11	16 48.30	+ 0.37	- 7.52	352 18 2.72	45.582	- 7.8	50.2	16 16 . .		. .
2	α Scorpii	11	23 15.69	+ 0.19	- 7.65	65 2 3.20	43.355	+ 2 4.9	51.2	16 23 . .		. .
3	ε Ursæ Minoris . . .	10	56 40.97	+ 0.98	[- 7.61]	316 40 1.70	45.407	- 54.9	[51.1]	16 56 . .		. .
4	α ¹ Herculis	11	10 6.52	+ 0.28	- 7.64	24 20 4.22	46.799	+ 26.5	50.8	17 9 . .		. .
April 9, K.												
5	α Leonis	11	3 4.75	+ 0.27	- 9.25	26 22 2.32	47.022	+ 28.6	51.7	10 2 . .		. .
6	Jupiter I, N. . . .	6	12 45.57	+ 0.27	- 9.21	26 22 2.32	35.530	+ 28.6	51.0	10 12 36.63	+ 1.53	+ 12 28 28.6
7	Jupiter II, S. . . .	5	12 48.62	+ 0.27	- 9.21	26 22 2.32	37.775	+ 28.6	51.0	10 12 39.68	- 1.52	+ 12 27 45.7
8	γ ¹ Leonis	6	14 29.30	+ 0.29	- 9.18	18 28 . .	. .	. .	. .	10 14 . .		. .
9	ρ Leonis	11	27 34.86	+ 0.26	- 9.22	29 0 3.30	46.921	+ 32.0	49.8	10 27 . .		. .
10	226 B. Cephei s. p. .	10	30 32.88	- 0.36	[- 9.33]	294 34 1.45	47.777	- 2 5.0	[51.0]	22 30 . .		. .
11	l Leonis	11	44 2.28	+ 0.26	- 9.23	27 46 3.72	43.311	+ 30.5	51.6	10 43 . .		. .
April 10, La.												
12	Sun II, N. . . .	11	19 8.63	+ 0.29	- 10.07	30 20 9.30	47.102	+ 34.2	50.8	1 18 58.85	- 64.76	+ 8 29 47.3
13	Venus I, S. . . .	11	48 42.70	+ 0.35	- 10.12	15 32 8.25	48.980	+ 16.3	50.8	2 48 32.93	+ 1.86	+ 23 17 32.0
14	α Persei	11	17 7.81	+ 0.49	- 10.16	349 22 6.62	43.170	- 10.8	51.0	3 16 . .		. .
15	δ Persei	9	35 45.41	+ 0.48	- 10.22	351 24 1.92	43.885	- 8.7	51.3	3 35 . .		. .
16	η Tauri	8	41 31.90	+ 0.35	- 10.06	15 4 1.78	43.622	+ 15.7	50.4	3 41 . .		. .
17	α Tauri	5	30 11.17	+ 0.32	- 10.14	22 32 3.12	46.535	+ 24.1	50.3	4 30 . .		. .
18	α Coronæ Borealis . .	11	30 32.43	+ 0.31	- 10.45	11 48 1.70	43.902	+ 12.4	49.3	15 30 . .		. .
19	α Serpentis	11	39 24.57	+ 0.19	- 10.48	32 6 2.90	44.624	+ 37.2	49.7	15 39 . .		. .
20	Uranus C, C. . . .	11	45 4.83	+ 0.04	- 10.50	58 25 58.92	41.945	+ 1 36.2	49.8	15 44 54.37		- 19 35 24.2
21	Saturn I, N. . . .	6	53 5.78	+ 0.05	- 10.51	56 46 0.75	44.412	+ 1 30.3	49.8	15 52 55.32	+ 0.66	- 17 56 7.4
22	Saturn II, S. . . .	5	53 7.10	+ 0.05	- 10.51	56 46 0.75	45.408	+ 1 30.3	49.8	15 52 56.64	- 0.66	- 17 56 26.7
23	β ¹ Scorpii	11	59 40.07	+ 0.04	- 10.53	58 22 6.48	42.250	+ 1 36.0	50.4	15 59 . .		. .
24	δ Ophiuchi	11	9 9.78	+ 0.13	- 10.48	42 16 3.80	45.848	+ 53.9	49.8	16 8 . .		. .
25	α Scorpii	11	23 18.93	- 0.01	- 10.61	65 2 3.05	43.189	+ 2 6.9	49.6	16 23 . .		. .
26	ε Ursæ Minoris . . .	11	56 42.94	+ 2.29	[- 10.53]	316 40 4.75	45.220	- 55.7	[50.4]	16 56 . .		. .
April 11, S.												
27	η Cancri	11	26 58.64	+ 0.35	- 11.60	18 2 2.35	49.430	+ 18.9	50.3	8 26 . .		. .
28	ε Hydrae	11	41 32.72	+ 0.33	- 11.68	32 2 3.50	47.724	+ 36.3	50.9	8 41 . .		. .
29	Moon I, N. . . .	11	58 2.78	+ 0.35	- 11.67	21 47 55.88	42.278	+ 23.2	50.1	8 57 51.46	+ 67.92	+ 17 3 45.5
30	κ Cancri	11	2 23.73	+ 0.33	- 11.69	27 43 58.72	50.835	+ 30.6	50.1	9 2 . .		. .
31	α Serpentis	11	39 25.93	+ 0.33	- 11.96	32 6 3.15	44.681	+ 37.0	50.9	15 39 . .		. .
32	Uranus C, C. . . .	11	44 58.39	+ 0.28	- 11.98	58 26 3.28	40.526	+ 1 35.7	50.1	15 44 46.69		- 19 35 0.6
33	Saturn I, S. . . .	6	52 54.63	+ 0.28	- 11.99	56 44 2.22	39.052	+ 1 29.8	50.1	15 52 42.92	+ 0.69	- 17 55 40.5
34	Saturn II, N. . . .	5	52 56.02	+ 0.28	- 11.99	56 44 2.22	38.132	+ 1 29.8	50.1	15 52 44.31	- 0.70	- 17 55 22.9
35	β ¹ Scorpii	11	59 41.34	+ 0.28	- 12.01	58 22 2.32	42.425	+ 1 35.5	49.1	15 59 . .		. .
36	α Scorpii	11	23 20.09	+ 0.26	- 12.01	65 2 3.22	43.201	+ 2 6.3	49.3	16 23 . .		. .
37	δ Draconis	11	28 25.42	+ 0.56	[- 12.02]	329 52 1.82	47.177	- 34.1	[50.0]	16 28 . .		. .
38	κ Ophiuchi	11	53 1.60	+ 0.33	- 12.03	29 18 3.90	47.466	+ 33.3	50.0	16 52 . .		. .
39	ε Ursæ Minoris . . .	6	56 45.83	+ 1.00	[- 12.01]	316 40 1.88	45.330	- 55.6	[50.0]	16 56 . .		. .
April 12, Br.												
40	Sun N. . . .	. . .	. . .	. . .	. . .	29 36 3.15	48.220	+ 33.8	51.1	1 25 . .		. .
41	Sun S. . . .	. . .	. . .	. . .	. . .	30 8 3.12	47.802	+ 34.5	51.1			. .
42	Venus S. . . .	. . .	. . .	. . .	. . .	15 38 2.32	49.070	+ 16.6	51.1	2 47 . .		. .
43	κ Cancri	11	2 24.73	+ 0.35	- 12.72	27 44 3.85	50.606	+ 31.4	51.3	9 2 . .		. .
44	ε Leonis	11	40 15.45	+ 0.37	- 12.85	14 36 3.60	45.182	+ 15.6	50.3	9 40 . .		. .
45	Moon I, N. . . .	11	50 58.77	+ 0.36	- 12.78	27 20 4.88	44.230	+ 30.9	51.3	9 50 46.35	+ 67.38	+ 11 30 57.6
46	Jupiter I, S. . . .	6	12 17.41	+ 0.35	- 12.80	26 20 3.68	46.150	+ 29.7	51.3	10 12 4.96	+ 1.36	+ 12 30 18.0

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
7 17 6	29.833	47.8	46.7	3, 10, 26, 37.	Bisections at C ₁ , C ₃ , C ₅ .	6	+ 0.8	- 21.5	. .	- 20.7
9 10 3	29.448	50.8	47.4	6, 7, 33, 34.	Z. D. thread A used.	7	+ 0.8	+ 21.4	. .	22.2
10 10 44	29.440	47.0	45.2	6, 21, 33, 46.	Bisections at I, VII.	12	+ 4.4	- 15 58.7	. .	- 15 54.3
10 1 19	29.734	47.8	45.5	7, 22, 34.	Bisections at II, VI.	13	+ 7.1	+ 25.7	. .	32.8
2 48	29.748	48.7	47.3	12, 16, 23, 35, 41.	Bisections at VI, VII.	20	+ 0.4	. .	. .	0.4
4 52	29.746	51.8	49.1	14, 15, 40.	Bisections at I, II.	21	+ 0.8	- 9.7	. .	8.9
15 30	29.760	41.1	39.2	17.	Bisection at VII.	22	+ 0.8	+ 9.6	. .	10.4
16 9	29.761	40.7	38.5		Bisections at III, IV, V.	29	+ 21 7.9	- 15 38.7	. .	+ 5 29.2
16 56	29.760	39.8	37.9		Bisections at II, VII.	32	+ 0.4	. .	. .	0.4
11 8 33	29.870	52.6	52.0		Bisections at I, II, VI, VII.	33	+ 0.8	+ 8.8	. .	9.6
16 9	29.977	45.2	44.3		Bisections at C ₃ , C ₄ , C ₅ .	34	+ 0.8	- 8.8	. .	8.0
17 6	30.000	44.1	43.1		Bisection at VI.	40	+ 4.3	- 15 58.2	. .	- 15 53.9
12 1 26	30.238	48.0	45.4		Bisections at V, VI, VII.	41	+ 4.4	+ 15 58.1	. .	+ 16 2.5
2 54	30.258	49.5	48.0		Equator point from nadir.	42	+ 7.3	+ 26.4	. .	33.7
9 11	30.306	47.0	45.2			45	+ 26 37.6	- 15 54.9	. .	+ 10 42.7
						46	+ 0.8	+ 19.1	. .	19.9

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	Jupiter II, N.	5	12 20.12	+ 0.35	-12.80	26 20 3.68	44.175	+ 29.6	51.3	10 12 7.67	- 1.35	+ 12 30 56.1	. .
2	ρ Leonis	11	27 38.39	+ 0.35	-12.86	29 0 3.42	46.941	+ 33.3	51.7	10 27 . . .	. .		. .
3	ι Leonis	11	44 5.76	+ 0.35	-12.82	27 44 4.25	49.455	+ 31.6	51.2	10 43 . . .	. .		. .
4	θ Virginis	11	4 52.38	+ 0.32	-12.89	43 48 4.10	50.851	+ 57.7	51.5	13 4 . . .	. .		. .
5	α Ursæ Minoris S. P. .	5	20 29.74	- 3.03	[-13.00]	307 38 0.92	45.615	- 1 17.5	[50.3]	1 20 . . .	. .		. .
6	β Libræ	11	11 43.43	+ 0.32	-13.12	47 50 4.50	46.621	+ 1 6.4	51.6	15 11 . . .	. .		. .
7	α Serpentis	11	39 27.07	+ 0.34	-13.09	32 6 4.42	44.576	+ 37.8	51.0	15 39 . . .	. .		. .
8	Uranus C, C.	10	44 51.74	+ 0.30	-13.13	58 24 4.12	45.402	+ 1 37.7	51.3	15 44 38.91	. .	- 19 34 35.7	. .
9	Saturn I, S.	6	52 42.98	+ 0.30	-13.14	56 44 2.50	46.828	+ 1 31.7	51.3	15 52 30.14	+ 0.70	- 17 54 55.4	. .
10	Saturn II, N.	4	52 44.38	+ 0.30	-13.14	56 44 2.50	46.015	+ 1 31.7	51.3	15 52 31.54	- 0.70	- 17 54 39.9	. .
11	β^1 Scorpii	11	59 42.54	+ 0.30	-13.21	58 20 2.50	48.786	+ 1 37.6	51.9	15 59 . . .	. .		. .
12	δ Ophiuchi	11	9 12.27	+ 0.32	-13.11	42 16 3.40	45.882	+ 54.8	51.0	16 8 . . .	. .		. .
13	α Scorpii	10	23 21.31	+ 0.28	-13.23	65 2 3.08	43.184	+ 2 8.9	51.5	16 23 . . .	. .		. .
14	ζ Ophiuchi	11	31 44.65	+ 0.31	-13.13	49 12 4.80	44.181	+ 1 9.8	51.5	16 31 . . .	. .		. .
April 12, K.													
15	β Andromedæ	8	4 10.39	+ 0.44	-13.13	3 46 2.50	46.672	+ 3.9	49.8	1 3 . . .	. .		. .
16	α Ursæ Minoris	7	20 20.21	+ 6.72	[-13.20]	310 6 4.50	46.914	- 1 9.3	[50.2]	1 20 . . .	. .		. .
April 13, K.													
17	Sun I, S.	11	28 4.48	+ 0.36	-13.23	29 46 7.25	48.640	+ 33.6	50.2	1 27 51.61	+ 64.87	+ 9 3 23.6	. .
18	Sun II, N.	11	30 14.21	+ 0.36	-13.23	29 14 2.78	48.852	+ 32.9	50.2	1 30 1.34	- 64.86	+ 9 35 21.0	. .
19	α Arietis	11	1 35.02	+ 0.40	-13.26	15 52 2.18	45.832	+ 16.7	50.1	2 1 . . .	. .		. .
20	Mercury I, C.	11	15 32.45	+ 0.38	-13.26	24 10 4.40	49.486	+ 26.2	50.2	2 15 19.57	+ 0.19	+ 14 39 15.8	. .
21	Venus I, S.	11	46 20.71	+ 0.40	-13.28	15 42 6.88	41.599	+ 16.4	50.2	2 46 7.83	+ 1.94	+ 23 6 39.1	. .
22	α Ceti	7	57 7.07	+ 0.35	-13.34	35 10 2.68	42.640	+ 40.9	50.7	2 56 . . .	. .		. .
23	η Tauri	11	41 35.12	+ 0.40	-13.35	15 4 4.08	43.581	+ 15.6	50.2	3 41 . . .	. .		. .
24	α Leonis	11	3 9.03	+ 0.29	-13.59	26 22 0.90	47.079	+ 28.9	51.9	10 2 . . .	. .		. .
25	Jupiter I, N.	5	12 9.22	+ 0.29	-13.61	26 18 1.00	38.212	+ 28.8	51.5	10 11 55.90	+ 1.41	+ 12 31 38.8	. .
26	Jupiter II, S.	6	12 12.03	+ 0.29	-13.61	26 18 1.00	40.350	+ 28.8	51.5	10 11 58.71	- 1.40	+ 12 30 57.9	. .
27	γ^1 Leonis	11	14 33.68	+ 0.31	-13.62	18 28 1.35	48.910	+ 19.5	51.3	10 14 . . .	. .		. .
28	ρ Leonis	11	27 39.23	+ 0.28	-13.64	29 0 2.25	47.031	+ 32.3	51.4	10 27 . . .	. .		. .
29	α Serpentis	11	39 27.86	+ 0.28	-13.80	32 6 2.65	44.819	+ 36.4	52.6	15 39 . . .	. .		. .
30	Uranus C.	11	44 44.75	+ 0.21	-13.83	58 24 . . .	. . .	. . .	. .	15 44 31.13	. .		. .
31	ζ Ursæ Minoris	4	48 2.35	+ 0.78	[-13.77]	320 44 . . .	. . .	. . .	. .	15 47 . . .	. .		. .
32	Saturn I	3	52 31.03	+ 0.22	-13.83	56 42 . . .	. . .	. . .	. .	15 52 17.42	+ 0.61		. .
33	Saturn II	3	52 32.26	+ 0.22	-13.83		. . .	. . .	. .	15 52 18.65	- 0.62		. .
34	β^1 Scorpii	11	59 43.38	+ 0.21	-13.93	58 22 0.95	42.810	+ 1 33.8	53.3	15 59 . . .	. .		. .
35	δ Ophiuchi	11	9 13.03	+ 0.25	-13.78	42 16 1.35	46.144	+ 52.6	51.9	16 8 . . .	. .		. .
36	α Scorpii	11	23 22.04	+ 0.19	-13.84	65 1 59.85	43.675	+ 2 3.8	52.5	16 23 . . .	. .		. .
April 15, B.													
37	Sun I.	11	35 28.90	+ 0.13	-14.53	28 48 . . .	. . .	. . .	. .	1 35 14.50	+ 64.99		. .
38	Sun II	11	37 38.87	+ 0.13	-14.53		. . .	. . .	. .	1 37 24.47	- 64.98		. .
39	Mercury C, C.	11	30 10.33	+ 0.15	-14.55	22 36 7.95	47.189	+ 23.6	54.4	2 29 55.93	+ 0.03	+ 16 14 4.0	. .
40	Venus I, S.	7	43 59.63	+ 0.16	-14.55	15 58 5.18	45.160	+ 16.2	54.4	2 43 45.24	+ 1.99	+ 22 52 51.8	. .
41	ζ Persei	11	47 54.25	+ 0.18	-14.55	7 15 53.28	46.365	+ 7.3	54.1	3 47 . . .	. .		. .
42	α Tauri	11	30 15.75	+ 0.15	-14.60	22 32 4.82	46.788	+ 23.5	54.4	4 30 . . .	. .		. .
43	α Camelopardalis	11	44 3.50	+ 0.32	[-14.76]	332 42 1.30	42.967	- 29.1	[52.3]	4 43 . . .	. .		. .
44	ι Aurigæ	11	50 32.39	+ 0.19	-14.59	5 50 2.75	47.476	+ 5.9	54.9	4 50 . . .	. .		. .
45	β Tauri	11	20 2.27	+ 0.18	-14.57	10 20 4.65	43.918	+ 10.4	54.4	5 19 . . .	. .		. .
46	α Leonis	11	3 10.15	+ 0.15	-14.59	26 22 7.15	36.592	+ 28.8	52.2	10 2 . . .	. .		. .
47	Jupiter I, S.	6	11 54.12	+ 0.15	-14.66	26 18 7.90	36.225	+ 28.8	52.7	10 11 39.61	+ 1.45	+ 12 32 11.2	. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				/ "	/ "	"	/ "
12	10	51	30.366	44.5	42.3	1, 10, 26.	Bisections at II, VI.	1	+	0.8	- 19.0	. - 18.2
	11	41	30.306	44.0	41.8	5.	Bisections at D ₂ , D ₁ , B ₃ , B ₂ .	8	+	0.4	. . .	. + 0.4
	13	46	30.280	41.5	40.2	9, 25, 47.	Bisections at I, VII.	9	+	0.8	+ 7.7	. + 8.5
	15	6	30.254	40.5	39.3	15, 18, 22, 34.	Bisections at VI, VII.	10	+	0.8	- 7.8	. - 7.0
	16	50	30.260	40.5	38.4	16.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	17	+	4.4	+ 15 58.7	. + 16 3.1
13	1	30	30.214	51.4	51.3	17.	Bisections at I, II.	18	+	4.3	- 15 58.6	. - 15 54.3
	2	15	30.190	53.8	54.0	21, 25, 26, 46, 47.	Z. D. thread A. used.	20	+	3.0	. . .	. + 3.1
	2	49	30.180	55.0	55.0	27.	Bisections at II, VI, VII.	21	+	7.4	+ 26.8	. + 34.2
	3	46	30.140	57.5	57.3	40.	Bisections at II, VII.	25	+	0.8	- 20.5	. - 19.7
	10	3	30.004	52.9	51.7	43.	Bisections at C ₁ , C ₂ , C ₃ .	26	+	0.8	+ 20.4	. + 21.2
	10	27	29.994	52.2	51.2			39	+	2.9	. . .	. + 3.1
	15	39	29.870	52.3	51.4			40	+	7.8	+ 27.5	. + 35.3
	16	23	29.870	53.0	52.1			47	+	0.8	+ 20.1	. + 20.9
15	1	37	29.638	58.5	57.0							
	2	35	29.636	60.0	59.2							
	4	0	29.640	60.8	59.2							
	4	36	29.642	61.0	59.1							
	5	0	29.642	60.6	58.2							
	9	50	29.728	51.0	48.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Jupiter II, N. . .	5	11 57.02	+ 0.15	-14.66	26 18 7.90	34.140	+ 28.8	52.7	10 11 42.51	- 1.45	+ 12 32 51.3	. .
2	ρ Leonis	9	27 40.37	+ 0.14	-14.66	29 0 5.98	36.708	+ 32.3	52.4	10 27 . . .	. . .	. . .	. . .
3	ι Leonis	10	44 7.77	+ 0.14	-14.65	27 46 6.45	33.026	+ 30.7	52.8	10 13 . . .	. . .	. . .	. . .
4	δ Leonis	11	8 55.13	+ 0.17	-14.54	17 46 6.12	44.158	+ 18.7	52.4	11 8 . . .	. . .	. . .	. . .
5	β Leonis	11	44 5.84	+ 0.15	-14.75	23 42 0.82	45.544	+ 25.7	52.6	11 43 . . .	. . .	. . .	. . .
6	α Virginis	11	0 15.22	+ 0.14	-14.78	29 31 59.48	47.146	+ 33.1	53.4	12 0 . . .	. . .	. . .	. . .
7	η Virginis	9	14 55.62	+ 0.12	-14.78	38 56 1.28	46.305	+ 47.2	53.2	12 14 . . .	. . .	. . .	. . .
8	Moon I, N.	10	32 3.35	+ 0.10	-14.72	47 31 59.18	44.655	+ 1 3.8	52.7	12 31 48.73	+ 69.79	- 8 41 41.3	. .
9	α Ursæ Minoris S. P.	4	20 30.65	- 1.80	[-14.77]	307 38 1.45	45.448	- 1 15.5	[52.7]	1 20 . . .	. . .	. . .	. . .
10	μ Bootis	10	20 53.47	+ 0.20	-14.80	1 5 54.38	39.041	+ 1.2	51.1	15 20 . . .	. . .	. . .	. . .
11	α Coronæ Borealis .	9	30 36.95	+ 0.18	-14.75	11 48 5.32	43.780	+ 12.3	51.4	15 30 . . .	. . .	. . .	. . .
12	α Serpentis	11	39 29.02	+ 0.14	-14.78	32 6 6.50	44.569	+ 36.8	52.4	15 39 . . .	. . .	. . .	. . .
13	Uranus C, C.	11	44 29.72	+ 0.07	-14.82	58 23 57.80	41.885	+ 1 35.2	51.5	15 44 14.97	. . .	- 19 33 19.3	. .
14	Saturn I, S.	6	52 5.32	+ 0.07	-14.82	56 44 3.72	39.702	+ 1 29.2	51.5	15 51 50.57	+ 0.69	- 17 52 37.3	. .
15	Saturn II, N.	5	52 6.70	+ 0.07	-14.82	56 44 3.72	38.708	+ 1 29.2	51.5	15 51 51.95	- 0.69	- 17 52 18.3	. .
16	β Scorpii	. . .	. . .	. . .	. . .	58 22 6.40	42.446	+ 1 35.1	51.5	15 59 . . .	. . .	. . .	. . .
17	δ Ophiuchi	. . .	. . .	. . .	. . .	42 16 5.32	45.881	+ 53.4	51.7	16 8 . . .	. . .	. . .	. . .
18	α Scorpii	11	23 23.35	+ 0.04	-14.95	65 2 6.38	43.172	+ 2 5.7	51.1	16 23 . . .	. . .	. . .	. . .
April 15, K.													
19	β Ceti	11	38 40.38	+ 0.14	-14.88	57 24 0.55	41.100	+ 1 29.3	52.5	0 38 . . .	. . .	. . .	. . .
20	β Andromedæ	11	4 12.26	+ 0.34	-14.85	3 46 2.58	46.912	+ 3.8	52.6	1 3 . . .	. . .	. . .	. . .
21	α Ursæ Minoris . . .	6	20 21.32	+ 7.76	[-14.88]	310 6 3.25	47.064	- 1 7.4	[52.8]	1 20 . . .	. . .	. . .	. . .
April 16, K.													
22	Sun I, S.	11	39 11.08	+ 0.24	-14.89	28 42 4.00	48.520	+ 31.3	52.7	1 38 56.43	+ 65.03	+ 10 7 34.0	. .
23	Sun II, N.	11	41 21.14	+ 0.24	-14.89	28 10 3.72	48.775	+ 30.6	52.7	1 41 6.49	- 65.03	+ 10 39 26.3	. .
24	Mercury C, C.	11	37 17.34	+ 0.27	-14.91	21 52 0.65	46.486	+ 22.8	52.7	2 37 2.70	+ 0.04	+ 16 58 22.9	. .
25	Venus I, S.	11	42 35.62	+ 0.29	-14.91	16 6 4.15	37.900	+ 16.4	52.7	2 42 21.00	+ 2.01	+ 22 43 55.2	. .
26	η Tauri	11	41 36.79	+ 0.29	-14.92	15 4 2.28	43.806	+ 15.2	52.1	3 41 . . .	. . .	. . .	. . .
27	ϵ Tauri	11	22 51.45	+ 0.28	-14.93	19 54 4.10	43.790	+ 20.4	53.0	4 22 . . .	. . .	. . .	. . .
28	α Tauri	11	30 16.03	+ 0.27	-15.00	22 32 1.58	46.894	+ 23.4	53.1	4 30 . . .	. . .	. . .	. . .
April 17, La.													
29	Sun I, S.	11	42 53.80	+ 0.20	-15.18	28 22 1.62	45.465	+ 31.0	52.0	1 42 38.82	+ 65.08	+ 10 28 34.5	. .
30	Sun II, N.	11	45 3.95	+ 0.20	-15.18	27 50 4.40	45.362	+ 30.3	52.0	1 44 48.97	- 65.07	+ 11 0 30.7	. .
31	η Tauri	7	41 37.08	+ 0.25	-15.17	15 4 2.20	43.732	+ 15.6	52.4	3 41 . . .	. . .	. . .	. . .
32	ζ Persei	10	47 54.74	+ 0.29	-15.15	7 16 4.08	45.710	+ 7.4	52.2	3 47 . . .	. . .	. . .	. . .
33	γ Tauri	7	14 11.58	+ 0.22	-15.29	23 28 . . .	. . .	. . .	. . .	4 13 . . .	. . .	. . .	. . .
34	ϵ Tauri	11	22 51.73	+ 0.23	-15.17	19 54 4.02	43.722	+ 20.9	52.1	4 22 . . .	. . .	. . .	. . .
35	α Tauri	11	30 16.29	+ 0.22	-15.22	22 32 1.68	46.776	+ 24.0	51.5	4 30 . . .	. . .	. . .	. . .
36	μ Leonis	11	47 11.95	+ 0.29	-15.23	12 22 2.78	43.388	+ 12.9	49.9	9 46 . . .	. . .	. . .	. . .
37	α Leonis	11	3 10.75	+ 0.23	-15.30	26 22 3.48	46.858	+ 29.1	50.6	10 2 . . .	. . .	. . .	. . .
38	Jupiter I, N.	6	11 41.25	+ 0.23	-15.26	26 18 4.22	41.555	+ 29.0	49.8	10 11 26.22	+ 1.41	+ 12 33 44.8	. .
39	Jupiter II, S.	5	11 44.06	+ 0.23	-15.26	26 18 4.22	43.542	+ 29.1	49.8	10 11 29.03	- 1.40	+ 12 33 6.7	. .
40	γ Leonis	11	14 35.31	+ 0.26	-15.24	18 28 3.45	48.726	+ 19.7	49.8	10 14 . . .	. . .	. . .	. . .
41	ρ Leonis	5	27 40.60	+ 0.22	[-14.99]	29 0 7.20	46.550	+ 32.6	49.0	10 27 . . .	. . .	. . .	. . .
42	α Ursæ Minoris S. P.	5	20 37.62	- 7.64	[-15.32]	307 37 59.38	45.522	- 1 16.1	[51.9]	1 20 . . .	. . .	. . .	. . .
43	η Bootis	11	50 4.85	+ 0.26	-15.28	19 56 2.95	45.826	+ 21.5	49.8	13 49 . . .	. . .	. . .	. . .
44	Moon II, S.	11	35 5.07	+ 0.09	-15.32	60 20 3.95	37.720	+ 1 43.7	50.4	14 34 49.84	- 74.60	- 21 31 30.4	. .
45	α^2 Libræ	11	45 29.00	+ 0.12	-15.40	54 26 3.10	47.860	+ 1 22.7	50.9	14 45 . . .	. . .	. . .	. . .
46	α Serpentis	11	39 29.47	+ 0.21	-15.26	32 5 59.85	44.773	+ 37.2	50.7	15 39 . . .	. . .	. . .	. . .
47	Uranus C, C.	11	44 13.43	+ 0.10	-15.34	58 23 5.65	41.696	+ 1 36.1	50.4	15 43 58.19	. . .	- 19 32 25.5	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
15 10 27	29.730	49.8	47.2	1, 2, 3, 10, 25, 44.	Z. D. thread A used.	1	+ 0.8	- 20.0	. .	- 19.2
11 15	29.736	49.0	46.4	1, 15, 38.	Bisections at II, VI.	8	+ 44 46.1	- 16 36.9	. .	+ 28 9.2
12 20	29.748	47.3	45.5	8.	Bisections at III, IV, V.	13	+ 0.4	. . .	. .	+ 0.4
15 15	29.708	44.8	43.0	9.	Bisections at C ₁ , C ₃ , C ₂ .	14	+ 0.8	+ 9.5	. .	+ 10.3
16 5	29.714	44.0	42.3	14, 39.	Bisections at I, VII.	15	+ 0.8	- 9.5	. .	- 8.7
0 38	29.746	55.5	55.4	21, 42.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	22	+ 4.2	+ 15 56.1	. .	+ 16 0.3
1 23	29.724	56.8	56.4	22, 29.	Bisections at I, II.	23	+ 4.1	- 15 56.1	. .	- 15 52.0
2 41	29.723	58.1	57.3	23, 30, 31, 41.	Bisections at VI, VII.	24	+ 2.9	. . .	+ 0.3	+ 3.2
3 44	29.704	60.4	60.1	44.	Bisections at II, III, IV, V, VI.	25	+ 7.9	+ 27.8	. .	+ 35.7
4 29	29.684	63.0	62.1	46.	Bisections at II, VI, VII.	29	+ 4.2	+ 15 58.1	. .	+ 16 2.3
17 1 45	29.690	54.8	53.2			30	+ 4.1	- 15 58.0	. .	- 15 53.9
3 30	29.704	54.7	51.5			38	+ 0.8	- 19.1	. .	- 18.3
4 30	29.712	54.8	51.3			39	+ 0.8	+ 19.0	. .	+ 19.8
9 51	29.826	46.3	44.5			44	+ 53 10.3	+ 16 44.2	. .	+ 69 54.5
10 37	29.844	45.2	44.3			47	+ 0.4	. . .	. .	+ 0.4
13 15	29.838	43.1	42.0							
13 54	29.842	42.7	41.3							
14 35	29.840	42.0	40.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	Saturn I, N.	6	51 38.13	+ 0.11	-15.34	56 40 2.38	46.235	+ 1 30.1	50.4	15 51 22.90	+ 0.67	- 17 50 43.2	.
2	Saturn II, S.	5	51 39.46	+ 0.11	-15.34	56 40 2.38	47.162	+ 1 30.1	50.4	15 51 24.23	- 0.66	- 17 51 1.1	.
3	β Scorpii	11	59 45.03	+ 0.10	-15.38	58 22 2.80	42.530	+ 1 36.1	50.4	15 59 . . .	.	.	.
4	δ Ophiuchi	11	9 14.75	+ 0.17	-15.34	42 16 4.20	45.880	+ 54.0	51.1	16 8 . . .	.	.	.
5	α Scorpii	11	23 23.75	+ 0.07	-15.33	65 2 3.98	43.160	+ 2 7.0	49.7	16 23 . . .	.	.	.
	April 18, S.												
6	μ Leonis	11	47 12.38	+ 0.29	-15.67	12 22 2.22	43.475	+ 12.8	51.0	9 46 . . .	.	.	.
7	α Leonis	11	3 11.27	+ 0.25	-15.85	26 22 3.10	46.936	+ 28.8	51.5	10 2 . . .	.	.	.
8	Jupiter I, S.	6	11 36.10	+ 0.25	-15.81	26 16 3.55	48.815	+ 28.7	51.3	10 11 20.54	+ 1.35	+ 12 33 28.1	.
9	Jupiter II, N.	5	11 38.80	+ 0.25	-15.81	26 16 3.55	46.775	+ 28.7	51.3	10 11 23.24	- 1.35	+ 12 34 7.2	.
10	γ Leonis	11	14 35.85	+ 0.27	-15.81	18 28 2.78	48.803	+ 19.5	51.0	10 14 . . .	.	.	.
11	ρ Leonis	11	27 41.50	+ 0.24	-15.92	29 0 2.78	46.990	+ 32.3	51.4	10 27 . . .	.	.	.
12	α Virginis	11	20 4.43	+ 0.18	-15.76	49 28 3.68	44.314	+ 1 8.5	51.7	13 19 . . .	.	.	.
13	α Ursæ Minoris s. p.	7	20 36.60	- 5.77	[-15.80]	307 38 0.90	45.419	- 1 15.6	[51.1]	1 20 . . .	.	.	.
14	Moon II, S.	11	41 15.59	+ 0.14	-15.84	64 30 3.22	45.594	+ 2 2.7	51.3	15 40 59.89	-76.64	- 25 41 3.6	.
15	Uranus C, C.	11	44 5.36	+ 0.16	-15.84	58 22 3.05	43.512	+ 1 35.1	51.3	15 43 49.68	.	- 19 31 57.2	.
16	Saturn I, S.	6	51 24.15	+ 0.16	-15.84	56 40 2.70	44.662	+ 1 29.1	51.3	15 51 8.47	+ 0.71	- 17 50 11.6	.
17	Saturn II, N.	5	51 25.58	+ 0.16	-15.84	56 40 2.70	43.735	+ 1 29.1	51.3	15 51 9.90	- 0.72	- 17 49 53.7	.
18	δ Scorpii	3	54 33.27	+ 0.15	-15.88	61 10 3.48	42.832	+ 1 46.4	50.6	15 54 . . .	.	.	.
19	β Scorpii	11	59 45.47	+ 0.16	-15.86	58 22 2.78	42.661	+ 1 35.1	51.9	15 59 . . .	.	.	.
20	δ Ophiuchi	11	9 15.24	+ 0.21	-15.84	42 16 3.85	45.956	+ 53.4	51.7	16 8 . . .	.	.	.
21	α Scorpii	11	23 24.25	+ 0.14	-15.87	65 2 3.55	43.318	+ 2 5.6	50.8	16 23 . . .	.	.	.
	April 18, Br.												
22	α Andromedæ	11	3 19.72	+ 0.06	-15.86	10 20 0.45	44.390	+ 10.3	55.2	0 3 . . .	.	.	.
23	β Andromedæ	11	4 13.75	+ 0.06	-16.02	3 45 56.02	47.382	+ 3.7	54.7	1 3 . . .	.	.	.
24	α Ursæ Minoris	4	20 31.40	- 0.24	[-15.94]	310 5 58.68	47.304	- 1 5.8	[54.5]	1 20 . . .	.	.	.
	April 19, Br.												
25	Sun I, S.	11	50 20.77	+ 0.04	-16.00	27 40 12.75	46.558	+ 29.2	55.7	1 50 4.81	+65.16	+ 11 10 7.9	.
26	Sun II, N.	7	52 31.08	+ 0.04	-16.00	27 8 5.42	47.165	+ 28.5	55.7	1 52 15.12	-65.15	+ 11 42 0.6	.
27	Venus I, S.	11	37 37.93	+ 0.05	-16.03	16 42 0.45	45.348	+ 16.7	56.1	2 37 21.95	+ 2.06	+ 22 8 54.4	.
28	Mercury C, C.	11	57 39.16	+ 0.05	-16.05	19 54 2.02	43.554	+ 20.1	56.3	2 57 23.16	+ 0.06	+ 18 57 24.0	.
29	α Orionis	3	49 52.87	+ 0.03	-16.18	31 28 2.30	43.215	+ 34.4	58.0	5 49 . . .	.	.	.
30	ϵ Leonis	11	40 19.09	+ 0.13	-16.37	14 36 3.50	45.412	+ 15.2	54.7	9 40 . . .	.	.	.
31	α Leonis	11	3 11.95	+ 0.10	-16.39	26 22 3.75	47.165	+ 28.9	56.7	10 2 . . .	.	.	.
32	Jupiter I, S.	6	11 31.67	+ 0.10	-16.31	26 16 4.18	47.998	+ 28.8	55.0	10 11 15.46	+ 1.30	+ 12 33 46.7	.
33	Jupiter II, N.	5	11 34.26	+ 0.10	-16.31	26 16 4.18	45.988	+ 28.8	55.0	10 11 18.05	- 1.29	+ 12 34 25.3	.
34	ι Leonis	11	44 9.50	+ 0.10	-16.38	27 46 3.95	43.429	+ 30.8	55.0	10 43 . . .	.	.	.
35	δ Leonis	11	8 56.95	+ 0.12	-16.34	17 46 2.92	44.396	+ 18.8	54.2	11 8 . . .	.	.	.
36	α Virginis	11	0 16.84	+ 0.09	-16.36	29 32 2.42	47.014	+ 33.5	54.5	12 0 . . .	.	.	.
37	α Ursæ Minoris s. p.	11	20 36.42	- 4.74	[-16.27]	307 38 2.18	45.514	- 1 17.1	[54.2]	1 20 . . .	.	.	.
38	η Bootis	11	50 5.91	+ 0.11	-16.18	19 56 3.45	45.922	+ 21.8	52.8	13 49 . . .	.	.	.
39	α Serpentis	11	39 30.65	+ 0.08	-16.28	32 6 4.42	44.565	+ 38.2	51.9	15 39 . . .	.	.	.
40	Uranus C, C.	11	43 57.45	+ 0.02	-16.34	58 20 0.78	48.418	+ 1 38.6	52.7	15 43 41.13	.	- 19 31 29.7	.
41	Saturn I, S.	8	51 10.19	+ 0.02	-16.34	56 38 2.38	48.262	+ 1 32.4	52.7	15 50 53.87	+ 0.69	- 17 49 22.1	.
42	Saturn II, N.	3	51 11.57	+ 0.02	-16.34	56 38 2.38	47.275	+ 1 32.4	52.7	15 50 55.25	- 0.69	- 17 49 3.3	.
43	β Scorpii	11	59 46.27	+ 0.02	-16.50	58 22 3.48	42.504	+ 1 38.7	53.2	15 59 . . .	.	.	.
44	δ Ophiuchi	11	9 15.85	+ 0.06	-16.28	42 16 4.92	45.862	+ 55.4	53.0	16 8 . . .	.	.	.
45	α Scorpii	11	23 25.00	0.00	-16.46	65 2 4.50	43.099	+ 2 10.6	52.5	16 23 . . .	.	.	.
46	ζ Ophiuchi	11	31 48.21	+ 0.04	-16.26	49 12 4.90	44.142	+ 1 10.7	51.9	16 31 . . .	.	.	.
47	Moon II, S.	11	49 45.87	- 0.01	-16.34	66 44 4.38	42.354	+ 2 21.5	52.7	16 49 29.52	-77.37	- 27 54 19.8	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						/ "	/ "	"	/ "	"
17 16 18	29.850	40.7	39.4	1, 9, 17, 29, 32, 41.				1	+ 0.8	- 9.0	.	- 8.2	.
18 9 42	29.955	54.5	53.1	2, 8, 16, 33, 39, 42.				2	+ 0.8	+ 8.9	.	+ 9.7	.
10 34	29.958	52.8	51.2	10.				8	+ 0.8	+ 19.6	.	+ 20.4	.
12 40	29.942	48.6	47.2	13.				9	+ 0.8	- 19.5	.	- 18.7	.
14 35	29.888	46.8	45.1	14.				14	+54 57.6	+16 39.2	.	+71 36.8	.
16 32	29.877	46.6	45.0	15, 18, 26.				15	+ 0.4	.	.	+ 0.4	.
23 31	29.836	61.9	60.9	24.				16	+ 0.8	+ 9.0	.	+ 9.8	.
0 18	29.834	67.0	65.6	25.				17	+ 0.8	- 8.9	.	- 8.1	.
1 52	29.820	69.0	68.4	37.				25	+ 4.1	+15 56.3	.	+16 0.4	.
3 8	29.800	70.4	71.1					26	+ 4.0	-15 56.3	.	-15 52.3	.
5 54	29.822	67.5	65.4					27	+ 8.4	+ 28.6	.	+ 37.0	.
9 34	29.910	54.5	51.6					28	+ 2.8	.	+ 0.4	+ 3.2	.
10 24	29.942	51.5	49.2					32	+ 0.8	+ 19.3	.	+ 20.1	.
11 17	29.974	49.0	46.3					33	+ 0.8	- 19.3	.	- 18.5	.
12 7	29.998	46.0	43.3					40	+ 0.4	.	.	+ 0.4	.
13 38	30.058	41.0	38.0					41	+ 0.8	+ 9.4	.	+ 10.2	.
13 59	30.076	40.0	36.4					42	+ 0.8	- 9.4	.	- 8.6	.
15 32	30.100	35.0	31.5					47	+55 23.5	+16 29.5	.	+71 53.0	.
16 40	30.154	32.5	30.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^1 Herculis	11	10 15.69	+ 0.10	-16.31	24 20 4.10	46.788	+ 27.7	53.1	17 9 . .	. .		. .
2	α Ophiuchi	11	30 27.75	+ 0.10	-16.31	26 12 4.65	47.738	+ 30.2	53.4	17 30 . .	. .		. .
	April 19, B.												
3	α Andromedæ	11	3 19.81	+ 0.40	-16.27	10 20 1.60	44.073	+ 11.2	51.7	0 3 . .	. .		. .
4	γ Pegasi	11	8 12.29	+ 0.32	-16.32	24 13 59.92	45.300	+ 27.5	52.1	0 7 . .	. .		. .
5	β Andromedæ	11	4 13.63	+ 0.45	-16.28	3 46 4.75	46.818	+ 4.1	52.9	1 3 . .	. .		. .
6	α Ursæ Minoris . . .	8	20 17.35	+ 14.53	[-16.27]	310 5 59.90	47.428	- 1 11.6	[51.0]	1 20 . .	. .		. .
	April 20, B.												
7	Sun I, S.	11	54 4.21	+ 0.30	-16.30	27 20 3.15	45.090	+ 31.3	52.1	1 53 48.21	+65.33	+ 11 30 40.0	. .
8	Sun II, N.	11	56 14.87	+ 0.30	-16.30	26 47 59.65	45.450	+ 30.6	52.1	1 55 58.87	-65.33	+ 12 2 34.0	. .
9	Venus I, S.	11	35 44.44	+ 0.36	-16.31	16 56 6.38	45.816	+ 18.4	52.1	2 35 28.49	+ 2.07	+ 21 54 33.8	. .
10	α Ceti	11	57 10.15	+ 0.26	-16.33	35 10 6.85	42.511	+ 42.4	52.8	2 56 . .	. .		. .
11	γ Mercury C, C. . . .	11	4 1.95	+ 0.34	-16.31	19 18 6.25	46.812	+ 21.1	52.1	3 3 45.98	+ 0.07	+ 19 32 12.1	. .
12	η Tauri	11	41 38.13	+ 0.37	-16.35	15 4 6.28	43.508	+ 16.2	51.2	3 41 . .	. .		. .
13	γ Tauri	11	14 12.48	+ 0.32	-16.31	23 28 6.45	44.575	+ 26.0	52.2	4 13 . .	. .		. .
14	α Tauri	11	30 17.24	+ 0.33	-16.30	22 32 5.78	46.529	+ 24.9	51.7	4 30 . .	. .		. .
	April 20, K.												
15	α Leonis	11	3 11.70	+ 0.42	-16.47	26 22 4.22	46.766	+ 29.8	50.5	10 2 . .	. .		. .
16	Jupiter I, N.	6	11 27.35	+ 0.42	-16.50	26 16 4.00	34.765	+ 29.6	49.9	10 11 11.27	+ 1.36	+ 12 34 39.5	. .
17	Jupiter II, S.	5	11 30.06	+ 0.42	-16.50	26 16 4.00	36.848	+ 29.7	49.9	10 11 13.98	- 1.35	+ 12 33 59.6	. .
18	γ^1 Leonis	11	14 36.35	+ 0.45	-16.51	18 27 58.70	48.899	+ 20.1	49.1	10 14 . .	. .		. .
19	ρ Leonis	11	27 41.92	+ 0.41	-16.53	29 0 4.50	46.732	+ 33.3	49.3	10 27 . .	. .		. .
20	226 B. Cephei S. P. . .	7	30 40.86	+ 0.44	[-16.41]	294 34 1.12	47.905	- 2 9.9	[49.6]	22 30 . .	. .		. .
21	ι Leonis	11	44 9.31	+ 0.41	-16.51	27 46 4.78	43.100	+ 31.6	50.3	10 43 . .	. .		. .
22	α Serpents	11	39 30.59	+ 0.40	-16.52	32 6 4.78	44.431	+ 38.2	49.8	15 39 . .	. .		. .
23	Uranus C, C.	11	43 48.62	+ 0.32	-16.58	58 22 4.08	40.430	+ 1 38.5	49.9	15 43 32.36	. .	- 19 31 2.5	. .
24	ζ Ursæ Minoris	11	48 4.32	+ 1.32	[-15.94]	320 44 . .	. .	. .	. .	15 47 . .	. .		. .
25	Saturn I, N.	6	50 55.55	+ 0.32	-16.58	56 37 59.80	34.402	+ 1 32.3	49.9	15 50 39.29	+ 0.66	- 17 48 12.6	. .
26	Saturn II, S.	5	50 56.88	+ 0.32	-16.58	56 37 59.80	35.492	+ 1 32.3	49.9	15 50 40.62	- 0.67	- 17 48 32.6	. .
27	δ Scorpii	11	54 33.96	+ 0.31	-16.69	61 9 59.70	42.899	+ 1 50.3	50.5	15 54 . .	. .		. .
28	δ Ophiuchi	11	9 15.85	+ 0.37	-16.57	42 16 4.12	47.620	+ 55.4	49.6	16 8 . .	. .		. .
29	α Scorpii	11	23 24.83	+ 0.29	-16.55	65 2 2.62	43.104	+ 2 10.3	50.4	16 23 . .	. .		. .
30	β Ophiuchi	11	20 24.00	+ 0.30	-16.65	62 54 2.75	45.481	+ 1 58.7	49.8	17 20 . .	. .		. .
31	α Ophiuchi	11	30 27.68	+ 0.42	-16.54	26 12 2.00	47.645	+ 30.0	48.9	17 30 . .	. .		. .
32	Moon II, S.	11	57 51.91	+ 0.30	-16.64	66 50 1.62	36.435	+ 2 22.0	49.9	17 57 35.57	-76.34	- 28 1 42.3	. .
33	γ^2 Sagittarii	11	59 30.75	+ 0.28	-16.68	69 14 1.42	45.341	+ 2 40.2	50.8	17 59 . .	. .		. .
34	δ Ursæ Minoris . . .	6	5 44.97	+ 3.77	[-16.62]	312 16 . .	. .	. .	. .	18 5 . .	. .		. .
35	μ^1 Sagittarii	11	7 55.21	+ 0.31	-16.65	59 54 2.58	47.072	+ 1 45.1	50.2	18 7 . .	. .		. .
	April 20, S.												
36	α Piscis Australis . . .	11	52 15.24	+ 0.26	[-16.82]	68 58 1.58	46.522	+ 2 34.0	48.3	22 51 . .	. .		. .
37	α Pegasi	11	59 54.66	+ 0.35	-16.59	24 12 3.70	43.873	+ 26.8	49.6	22 59 . .	. .		. .
38	α Andromedæ	11	3 20.22	+ 0.38	-16.64	10 20 2.85	43.965	+ 10.8	49.9	0 3 . .	. .		. .
39	γ Pegasi	11	8 12.63	+ 0.35	-16.67	24 14 2.88	45.048	+ 26.6	49.4	0 7 . .	. .		. .
	April 21, S.												
40	Sun I, N.	11	57 48.82	+ 0.34	-16.68	26 28 4.25	44.595	+ 29.2	50.2	1 57 32.48	+65.32	+ 12 22 48.6	. .
41	Sun II, S.	11	59 59.47	+ 0.34	-16.68	27 0 4.80	43.800	+ 29.8	50.2	1 59 43.13	-65.33	+ 11 50 59.0	. .
42	Venus I, S.	11	33 46.05	+ 0.36	-16.70	17 12 2.75	44.931	+ 18.1	50.4	2 33 29.71	+ 2.09	+ 21 38 53.0	. .
43	γ Mercury C, C.	11	10 11.95	+ 0.36	-16.71	18 46 4.28	46.236	+ 19.8	50.7	3 9 55.60	+ 0.07	+ 20 4 25.0	. .
44	α Persei	3	17 14.23	+ 0.44	[-16.57]	349 22 3.95	43.255	- 10.9	50.7	3 16 . .	. .		. .
45	α Tauri	11	30 17.65	+ 0.35	-16.74	22 32 4.40	46.540	+ 24.1	51.2	4 30 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
19 17 56	30.186	31.2	29.4	3, 37.	Bisections at II, VI, VII.	7	+ 4.0	+15 57.0	. .	+16 1.0
0 0	30.342	37.0	34.5	6.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .	8	+ 3.9	-15 56.9	. .	-15 53.0
0 40	30.346	40.0	35.4	7, 40.	Bisections at I, II.	9	+ 8.6	+ 28.9	. .	+ 37.5
1 35	30.346	39.0	37.4	8.	Bisection at VI.	11	+ 2.8	. .	+ 0.4	+ 3.2
1 56	30.330	39.8	38.2	16, 17, 25, 26, 32.	Z. D. thread A used.	16	+ 0.8	- 20.0	. .	- 19.2
2 25	30.322	40.5	39.3	16, 25.	Bisections at I, VII.	17	+ 0.8	+ 19.9	. .	+ 20.7
3 25	30.320	43.0	41.3	17, 26.	Bisections at II, VI.	23	+ 0.4	. .	. .	+ 0.4
4 25		46.2	43.1	20.	Bisections at C ₁ , B ₃ , B ₄ .	25	+ 0.8	- 10.0	. .	- 9.2
10 3	30.290	42.0	41.5	32.	Bisections at III, IV, V.	26	+ 0.8	+ 10.0	. .	+ 10.8
10 40	30.296	41.3	41.3	36, 41, 44, 45.	Bisections at VI, VII.	32	+54 42.1	+16 16.3	. .	+70 58.4
15 35	30.308	37.0	34.7			40	+ 3.9	-15 54.7	. .	-15 50.8
16 26	30.306	36.2	34.4			41	+ 4.0	+15 54.8	. .	+15 53.8
17 20	30.314	35.6	34.4			42	+ 8.8	+ 29.1	. .	+ 37.9
18 7	30.320	35.8	33.6			43	+ 2.8	. .	+ 0.4	+ 3.2
22 56	30.376	46.2	47.0							
0 12	30.392	51.6	50.2							
2 0	30.370	55.5	55.2							
2 39	30.354	55.4	55.8							
3 36	30.334	57.5	57.2							
4 33	30.314	59.0	58.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			h m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ϵ Leonis	11	40 19.52	+ 0.29	-16.97	14 36 3.10	45.210	+ 15.3	50.7	9 40			
2	μ Leonis	11	47 13.64	+ 0.30	-16.98	12 22 2.80	43.419	+ 12.9	50.8	9 46			
3	α Leonis	11	3 12.37	+ 0.26	-16.99	26 22 3.72	46.869	+ 29.2	51.4	10 2			
4	Jupiter I, S.	6	11 24.30	+ 0.26	-16.94	26 16 3.90	46.560	+ 29.1	50.7	10 11 7.62	+ 1.30	+ 12 34 10.0	
5	Jupiter II, N.	5	11 26.90	+ 0.26	-16.94	26 16 3.90	44.532	+ 29.1	50.7	10 11 10.22	+ 1.30	+ 12 34 48.8	
6	γ Leonis	11	14 36.84	+ 0.28	-16.84	18 28 2.65	48.795	+ 19.7	50.7	10 14			
7	ρ Leonis	11	27 42.44	+ 0.25	-16.90	29 0 3.78	46.871	+ 32.7	50.6	10 27			
8	α Virginis	11	20 5.45	+ 0.20	-16.79	49 28 3.52	44.260	+ 1 9.5	51.5	13 19			
9	α Ursæ Minoris s. P.	6	20 38.82	+ 5.80	-16.86	307 38 1.55	45.370	+ 1 16.7	51.0	1 20			
10	α Serpentis	11	39 31.14	+ 0.25	-16.90	32 6 3.40	44.560	+ 37.4	50.2	15 39			
11	Uranus C, C.	8	43 40.19	+ 0.18	-16.92	58 21 58.15	39.255	+ 1 36.5	50.7	15 43 23.45		- 19 30 32.7	
12	Saturn I, S.	6	50 40.87	+ 0.18	-16.92	56 38 2.12	42.900	+ 1 30.4	50.7	15 50 24.13	+ 0.65	- 17 47 39.1	
13	Saturn II, N.	5	50 42.18	+ 0.18	-16.92	56 38 2.12	42.050	+ 1 30.4	50.7	15 50 25.44	- 0.66	- 17 47 22.7	
14	δ Scorpii	11	54 34.39	+ 0.17	-16.95	61 10 2.50	42.859	+ 1 48.0	50.1	15 54			
15	β Scorpii	11	59 46.62	+ 0.18	-16.97	58 22 2.98	42.546	+ 1 36.6	51.3	15 59			
16	δ Ophiuchi	11	9 16.32	+ 0.22	-16.87	42 16 4.15	45.832	+ 54.3	50.7	16 8			
17	α Scorpii	11	23 25.33	+ 0.16	-16.90	65 2 4.00	43.148	+ 2 7.7	49.9	16 23			
18	σ Sagittarii	11	49 12.10	+ 0.16	-16.95	65 14 3.42	46.588	+ 2 9.5	50.6	18 48			
19	Moon N.					64 30 4.22	43.327	+ 2 5.3	50.7	19 1		- 25 40 24.3	
April 21, B.													
20	α Andromedæ	11	3 20.47	+ 0.32	-16.81	10 20 3.92	44.035	+ 10.6	52.1	0 3			
21	β Ceti	11	38 42.53	+ 0.22	-17.02	57 24 5.92	40.682	+ 1 30.3	52.0	0 38			
22	β Andromedæ	10	4 14.43	+ 0.34	-16.94	3 44 3.85	42.962	+ 3.9	52.9	1 3			
23	α Ursæ Minoris	7	20 28.44	+ 4.88	-16.99	310 6 2.45	47.091	+ 1 8.0	51.9	1 20			
April 22, B.													
24	Sun I, N.	11	1 33.58	+ 0.29	-16.94	26 8 2.78	44.488	+ 28.2	53.4	2 1 16.93	+ 65.41	+ 12 42 56.3	
25	Sun II, S.	11	3 44.41	+ 0.29	-16.94	26 40 5.58	43.622	+ 28.8	53.4	2 3 27.76	+ 65.42	+ 12 11 5.8	
26	Venus I, S.	11	31 42.75	+ 0.31	-16.94	17 28 0.45	47.834	+ 18.1	53.8	2 31 26.12	+ 2.10	+ 21 22 3.0	
27	α Ceti	11	57 10.84	+ 0.27	-17.02	35 10 7.58	42.684	+ 40.3	55.0	2 56			
28	Mercury C, C.	11	16 7.20	+ 0.30	-16.95	18 16 4.55	47.462	+ 19.1	54.3	3 15 50.55	+ 0.08	+ 20 34 5.5	
29	ζ Persei	11	47 56.50	+ 0.33	-16.97	7 16 3.32	45.865	+ 7.3	53.9	3 47			
30	ϵ Tauri	11	22 53.37	+ 0.30	-16.91	19 54 4.48	43.885	+ 20.6	55.3	4 22			
31	α Tauri	11	30 17.90	+ 0.29	-16.93	22 32 4.38	46.839	+ 23.7	55.1	4 30			
32	μ Leonis	11	47 13.83	+ 0.24	-17.13	12 22 5.32	43.471	+ 12.8	54.4	9 46			
33	α Leonis	11	3 12.46	+ 0.21	-17.05	26 22 5.02	47.026	+ 28.8	55.4	10 2			
34	Jupiter I, S.	6	11 21.60	+ 0.21	-17.05	26 16 6.68	46.328	+ 28.7	54.3	10 11 4.76	+ 1.35	+ 12 34 15.6	
35	Jupiter II, N.	5	11 24.30	+ 0.21	-17.05	26 16 6.68	44.268	+ 28.7	54.3	10 11 7.46	+ 1.35	+ 12 34 55.2	
36	γ Leonis	11	14 37.08	+ 0.22	-17.03	18 27 58.68	49.145	+ 19.5	53.2	10 14			
37	ρ Leonis	10	27 42.56	+ 0.20	-16.98	29 0				10 27			
38	α Ursæ Minoris s. P.	8	20 36.48	- 2.97	-17.03	307 38 2.15	45.368	+ 1 15.7	53.5	1 20			
39	β Libræ	11	11 47.69	+ 0.15	-17.05	47 50 5.55	36.541	+ 1 5.1	53.1	15 11			
40	Uranus C, C.	11	43 31.43	+ 0.12	-17.04	58 20 0.20	34.010	+ 1 35.4	53.1	15 43 14.51		- 19 30 4.4	
41	Saturn I	4	50 25.83	+ 0.12	-17.04	56 36				15 50 8.91	+ 0.50		
42	Saturn II	6	50 26.83	+ 0.12	-17.04					15 50 9.91	0.50		
43	δ Scorpii	11	54 34.54	+ 0.11	-17.02	61 10 0.25	33.018	+ 1 46.8	53.1	15 54			
44	δ Ophiuchi	10	9 16.55	+ 0.17	-17.03	42 16 5.20	45.960	+ 53.6	53.6	16 8			
45	α Scorpii	11	23 25.57	+ 0.10	-17.05	65 2 5.32	43.378	+ 2 6.2	54.1	16 23			
46	δ Aquilæ	11	20 37.12	+ 0.18	-17.00	35 56 5.28	45.140	+ 43.0	53.0	19 20			
47	γ Aquilæ	11	41 40.35	+ 0.20	-17.02	28 30 2.20	42.289	+ 32.2	53.2	19 41			
48	α Aquilæ	11	46 4.07	+ 0.20	-17.02	30 13 58.70	48.323	+ 34.6	51.8	19 45			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
21 9 45	30.293	54.0	52.6	4, 8, 12, 35.	Bisections at II, VI.	4	+ 0.8	+ 19.4	.	+ 20.2
10 34	30.298	54.0	49.8	5, 13, 34.	Bisections at I, VII.	5	+ 0.8	19.4	.	18.6
13 26	30.288	47.0	45.6	9.	Bisections at D ₁ , C ₅ .	11	+ 0.4	.	.	0.4
16 4	30.262	45.4	43.5	11, 25.	Bisections at VI, VII.	12	+ 0.8	+ 8.2	.	9.0
16 27	30.260	44.9	43.2	19.	Bisections at II, IV, VI.	13	+ 0.8	8.2	.	7.4
18 45	30.252	42.8	41.1	23, 38.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	19	+ 52	52.0 16 1.4	.	+ 36 50.6
19 12	30.260	42.2	40.5	24.	Bisections at I, II.	24	+ 3.8	15 55.2	.	- 15 51.4
0 5	30.308	58.0	57.2	39, 40, 43.	Z. D. thread A used.	25	+ 3.9	+ 15 55.2	.	+ 15 59.1
0 45	30.296	59.2	59.2	48.	Bisections at II, VI, VII.	26	+ 9.0	+ 29.3	.	+ 38.3
1 35	30.270	61.8	62.2			28	+ 2.8	.	+ 0.5	+ 3.3
2 4	30.260	62.9	63.5			34	+ 0.8	19.8	.	20.6
2 45	30.256	64.0	64.7			35	+ 0.8	19.8	.	19.0
3 30	30.240	65.9	65.7			40	+ 0.4	.	.	+ 0.4
4 30	30.214	67.1	66.2							
9 50	30.192	58.0	56.2							
10 35	30.188	55.8	54.4							
13 15	30.166	52.4	50.0							
15 15	30.130	49.5	47.5							
16 20	30.124	49.0	46.7							
19 15	30.094	45.5	44.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Aquilæ	11	50 33.75	+ 0.19	-16.93	32 41 59.42	44.422	+ 38.1	53.0	19 50 . . .	.	.	.
2	Moon II, N.	11	2 52.97	+ 0.11	-17.02	61 8 5.95	43.780	+ 1 47.3	53.1	20 2 36.06	-70.63	-22 18 14.4	.
3	α^2 Capricorni.	11	12 39.34	+ 0.14	-17.13	51 42 5.50	44.316	+ 1 15.0	52.9	20 12 . . .	.	.	.
April 22, K.													
4	α Andromedæ	10	3 20.81	+ 0.05	-16.86	10 19 58.30	44.395	+ 10.5	53.3	0 3 . . .	.	.	.
5	β Andromedæ	6	4 14.70	+ 0.06	-16.91	3 45 59.95	47.112	+ 3.8	54.6	1 3 . . .	.	.	.
6	α Ursæ Minoris	8	20 30.74	+ 2.82	[-16.94]	310 6 0.00	47.388	- 1 7.0	[54.1]	1 20 . . .	.	.	.
April 23, K.													
7	Sun I, N.	11	5 18.83	+ 0.01	-16.97	25 48 4.52	44.752	+ 27.3	54.8	2 5 1.87	+65.48	+13 2 51.8	.
8	Sun II, S.	11	7 29.79	+ 0.01	-16.97	26 20 4.60	43.975	+ 28.0	54.8	2 7 12.83	-65.48	+12 31 2.2	.
9	Venus I, S.	11	29 35.20	+ 0.03	-16.99	17 46 2.25	38.046	+ 18.1	55.0	2 29 18.24	+ 2.11	+21 3 54.9	.
10	α Persei	11	17 15.02	+ 0.10	[-17.01]	349 22 1.18	43.730	- 10.5	55.6	3 16 . . .	.	.	.
11	Mercury I, C.	11	21 47.07	+ 0.03	-17.03	17 48 1.08	50.681	+ 18.1	55.5	3 21 30.07	+ 0.25	+21 1 9.5	.
12	η Tauri	11	41 39.17	+ 0.04	-17.06	15 4 4.80	43.788	+ 15.1	55.3	3 41 . . .	.	.	.
13	ζ Persei	11	47 56.85	+ 0.06	-17.05	7 16 0.85	46.112	+ 7.2	56.0	3 47 . . .	.	.	.
14	α Tauri	11	30 18.32	+ 0.02	-17.09	22 32 4.20	46.940	+ 23.2	56.3	4 30 . . .	.	.	.
15	α Leonis	11	3 12.67	+ 0.02	-17.08	26 22 1.78	47.348	+ 28.1	57.6	10 2 . . .	.	.	.
16	Jupiter I, N.	6	11 19.67	+ 0.02	-17.06	26 14 3.02	40.610	+ 28.0	56.6	10 11 2.63	+ 1.35	+12 34 56.7	.
17	Jupiter II, S.	5	11 22.36	+ 0.02	-17.06	26 14 3.02	42.675	+ 28.0	56.6	10 11 5.32	- 1.34	+12 34 17.2	.
18	γ^1 Leonis	11	14 37.26	+ 0.03	-17.03	18 27 59.68	49.250	+ 19.0	55.9	10 14 . . .	.	.	.
19	ρ Leonis	11	27 42.80	+ 0.01	-17.04	29 0 2.85	47.271	+ 31.4	56.2	10 27 . . .	.	.	.
20	226 B. Cephei S. P.	11	30 41.28	- 0.14	[-16.89]	294 33 56.30	48.068	- 2 2.6	[55.9]	22 30 . . .	.	.	.
21	ι Leonis	11	44 10.26	+ 0.01	-17.08	27 46 1.80	43.676	+ 29.9	56.9	10 43 . . .	.	.	.
22	α Serpentis	11	39 31.73	0.00	-17.21	32 6 3.55	44.924	+ 36.2	56.3	15 39 . . .	.	.	.
23	Uranus C, C.	11	43 22.71	- 0.07	-17.26	58 20 2.02	42.806	+ 1 32.9	56.6	15 43 5.38	.	-19 29 33.7	.
24	ϵ Serpentis	11	46 1.01	0.00	-17.28	34 2 3.78	50.025	+ 39.0	56.3	15 45 . . .	.	.	.
25	ζ Ursæ Minoris	8	48 6.44	+ 0.32	[-16.95]	320 44 . . .	.	.	56.3	15 47 . . .	.	.	.
26	Saturn I, S.	6	50 10.73	- 0.06	-17.27	56 34 2.88	50.310	+ 1 27.2	56.6	15 49 53.40	+ 0.66	-17 45 54.0	.
27	Saturn II, N.	5	50 12.04	- 0.06	-17.27	56 34 2.88	49.435	+ 1 27.2	56.6	15 49 54.71	- 0.65	-17 45 37.7	.
28	δ Scorpii	11	54 34.95	- 0.08	-17.22	61 10 4.40	43.302	+ 1 44.4	56.8	15 54 . . .	.	.	.
29	β^1 Scorpii	11	59 47.31	- 0.07	-17.36	58 22 2.90	43.020	+ 1 33.3	56.9	15 59 . . .	.	.	.
April 23, La.													
30	β Andromedæ	10	4 15.17	+ 0.06	-17.36	3 46 0.12	47.221	+ 3.7	55.3	1 3 . . .	.	.	.
31	α Ursæ Minoris	5	20 36.56	- 2.22	[-17.44]	310 5 58.55	47.424	- 1 5.3	[54.8]	1 20 . . .	.	.	.
April 24, La.													
32	Sun I, N.	11	9 4.84	+ 0.06	-17.41	25 28 0.38	46.040	+ 26.2	56.2	2 8 47.49	+65.47	+13 22 33.7	.
33	Sun II, S.	11	11 15.79	+ 0.06	-17.42	26 0 5.32	44.938	+ 26.9	56.2	2 10 58.43	-65.47	+12 50 45.5	.
34	Venus I, S.	11	27 24.71	+ 0.06	-17.43	18 6 7.88	45.506	+ 18.0	56.5	2 27 7.34	+ 2.11	+20 44 43.0	.
35	Mercury C, C.	11	27 11.27	+ 0.06	-17.48	17 26 1.28	43.115	+ 17.2	57.3	3 26 53.85	+ 0.10	+21 25 37.1	.
36	η Tauri	9	41 39.57	+ 0.06	-17.48	15 4 . . .	.	.	.	3 41 . . .	.	.	.
37	α Tauri	11	30 18.80	+ 0.06	-17.61	22 32 1.60	47.184	+ 22.7	57.9	4 30 . . .	.	.	.
38	β Orionis	11	9 53.31	+ 0.04	-17.50	47 9 59.65	43.822	+ 58.7	59.0	5 9 . . .	.	.	.
39	ϵ Leonis	11	40 20.38	+ 0.07	-17.65	14 36 2.72	45.611	+ 14.5	57.5	9 40 . . .	.	.	.
40	μ Leonis	11	47 14.55	+ 0.07	-17.71	12 22 4.35	43.712	+ 12.2	57.6	9 46 . . .	.	.	.
41	α Leonis	11	3 13.24	+ 0.08	-17.72	26 22 4.35	47.288	+ 27.6	58.6	10 2 . . .	.	.	.
42	Jupiter I, S.	5	11 18.82	+ 0.08	-17.70	26 16 3.48	46.760	+ 27.5	57.9	10 11 1.20	+ 1.28	+12 34 15.4	.
43	Jupiter II, N.	6	11 21.38	+ 0.08	-17.70	26 16 3.48	44.610	+ 27.5	57.9	10 11 3.76	- 1.28	+12 34 54.3	.
44	γ^1 Leonis	11	14 37.84	+ 0.08	-17.68	18 28 . . .	.	.	.	10 14 . . .	.	.	.
45	9 Draconis	11	26 45.64	- 0.24	[-17.69]	322 35 57.30	49.241	- 42.4	[58.8]	10 26 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Defl. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
22 20 15	30.086	44.7	43.5	2, 20.	Bisections at III, IV, V.	2	+50 28.9	-15 46.3	.	+34 42.6
0 3	30.128	62.3	61.1	5, 8, 12, 24, 33.	Bisections at VI, VII.	7	+ 3.8	-15 54.8	.	-15 51.0
1 4	30.120	66.0	64.8	6, 31.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	8	+ 3.9	+15 54.7	.	+15 58.6
2 7	30.106	68.5	68.2	7, 32.	Bisections at I, II.	9	+ 9.3	+ 29.5	.	+ 38.8
3 17	30.084	70.0	71.2	9, 16, 17.	Z. D. thread A used.	11	+ 2.8	.	+ 0.5	+ 3.3
3 47	30.076	73.5	73.1	16.	Bisections at I, VII.	16	+ 0.8	- 19.7	.	- 18.9
4 30	30.066	75.0	74.2	17, 42.	Bisections at II, VI.	17	+ 0.8	+ 19.8	.	+ 20.6
10 3	30.008	67.2	66.1	26.	Bisection at VI.	23	+ 0.4	.	.	+ 0.4
10 44	30.012	65.6	64.1	27, 43.	Bisection at VII.	26	+ 0.8	+ 8.2	.	+ 9.0
15 39	29.956	58.2	55.8	45.	Bisections at II, III, V, VI.	27	+ 0.8	- 8.1	.	- 7.3
15 59	29.916	57.0	55.1			32	+ 3.8	-15 54.1	.	-15 50.3
1 4	29.986	73.2	75.8			33	+ 3.8	+15 54.1	.	+15 57.9
1 26	29.976	76.2	77.2			34	+ 9.4	+ 29.6	.	+ 39.0
2 11	29.966	78.1	79.4			35	+ 2.8	.	+ 0.5	+ 3.3
2 27	29.960	79.1	80.6			42	+ 0.8	+ 19.4	.	+ 20.2
3 27	29.948	81.3	81.4			43	+ 0.8	- 19.5	.	- 18.7
4 30	29.926	83.0	82.3							
5 9	29.904	83.7	83.0							
9 40	29.884	73.8	72.3							
10 26	29.885	72.4	70.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.				CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instrument.	Clock.									
			m s	s	s	° ' "	rev.				h m s	s	° ' "	
1	April 26, Br.													
2	Sun I, N.	11	16 38.30	0.11	18.45	24 48 3.42	49.808	+	25.8	59.2	2 16 19.74	+65.68	+ 14 1 21.8	
3	Sun II, S.	11	18 49.66	0.11	18.45	25 20 5.02	48.970	+	26.4	59.2	2 18 31.10	+65.68	+ 13 29 32.0	
4	α Tauri	7	30 19.90	0.10	18.56	22 32 1.80	47.209	+	22.9	58.8	4 30 .			
5	β Aurigæ	9	50 36.53	0.06	18.58	5 50 1.18	47.800	+	5.7	58.6	4 50 .			
6	β Tauri	9	20 6.39	0.07	18.56	10 20 1.30	44.396	+	10.1	59.2	5 19 .			
7	α Orionis	11	49 55.33	0.13	18.55	31 28 1.20	43.420	+	33.6	60.2	5 49 .			
8	α Ursæ Minoris s. p.	5	20 43.70	7.27	[18.90]	307 38 0.00	45.571	+	13.9	[58.1]	1 20 .			
9	η Bootis	11	50 8.62	0.16	18.90	19 56 2.88	46.228	+	20.9	58.2	13 49 .			
10	α Bootis	11	11 19.55	0.17	18.90	19 8 2.48	45.399	+	20.0	56.6	14 11 .			
11	α² Libræ	11	45 32.73	0.04	18.92	54 26 4.02	48.306	+	1 20.7	58.0	14 45 .			
12	Uranus C, C.	11	42 56.52	0.02	19.00	58 18 2.92	44.330	+	1 33.7	57.2	15 42 37.54		19 28 4.1	
13	Saturn I, S.	6	49 24.40	0.03	19.00	56 32 3.45	48.312	+	1 27.7	57.2	15 49 5.43	+0.74	17 43 14.9	
14	Saturn II, N.	5	49 25.88	0.03	19.00	56 32 3.45	47.410	+	1 27.7	57.2	15 49 6.91	+0.74	17 42 57.7	
15	β Scorpii	11	59 49.00	0.02	19.09	58 22 2.85	43.002	+	1 34.0	57.1	15 59 .			
16	δ Ophiuchi	11	9 18.70	0.08	19.02	42 16 3.72	46.252	+	52.8	57.1	16 8 .			
17	α Scorpii					65 2 3.35	43.691	+	2 4.5	56.3	16 23 .			
18	April 26, Ia.													
19	Moon II, N.	11	21 8.35	0.01	18.82	40 4 4.40	44.806	+	49.0	54.3	23 20 49.52	61.88	1 13 33.1	
20	α Andromedæ	11	3 22.77	0.12	18.79	10 20 3.82	44.121	+	10.7	53.6	0 3 .			
21	γ Pegasi	10	8 15.21	0.06	18.84	24 14 2.42	45.288	+	26.2	53.5	0 7 .			
22	β Andromedæ	11	4 16.62	0.16	18.85	3 46 2.15	47.072	+	3.9	54.5	1 3 .			
23	α Ursæ Minoris	5	20 27.92	8.61	[18.85]	310 6 3.28	47.353	+	8.4	[54.1]	1 20 .			
24	April 27, Ia.													
25	Sun I, S.	11	20 25.37	0.06	18.83	25 2 2.28	45.790	+	27.0	54.3	2 20 6.60	+65.82	+ 13 48 33.9	
26	Sun II, N.	9	22 37.02	0.06	18.83	24 30 3.08	46.070	+	26.3	54.3	2 22 18.25	+65.83	+ 14 20 24.8	
27	Mercury C, C.	11	41 39.24	0.09	18.84	16 28 3.20	42.454	+	17.0	54.3	3 41 20.49	+0.13	+ 22 23 45.0	
28	ζ Persei	11	47 58.59	0.14	18.88	7 16 4.22	45.859	+	7.4	54.4	3 47 .			
29	γ Tauri	11	14 15.24	0.06	18.83	23 28 4.40	44.881	+	24.9	54.9	4 13 .			
30	α Tauri	11	30 19.99	0.06	18.81	22 32 4.40	46.810	+	23.8	54.7	4 30 .			
31	April 27, K.													
32	ε Leonis	11	40 21.57	0.12	18.94	14 36 3.18	45.335	+	15.0	53.2	9 40 .			
33	μ Leonis	11	47 15.73	0.12	18.99	12 22 1.58	43.661	+	12.7	54.6	9 46 .			
34	α Leonis	11	3 14.35	0.08	18.87	26 22 2.10	47.091	+	28.6	53.8	10 2 .			
35	Jupiter I, N.	5	11 19.76	0.08	18.93	26 16 2.62	35.778	+	28.5	53.4	10 11 0.91	+1.35	+ 12 34 26.1	
36	Jupiter II, S.	6	11 22.47	0.08	18.93	26 16 2.62	37.868	+	28.5	53.4	10 11 3.62	+1.36	+ 12 33 46.1	
37	γ Leonis	11	14 39.06	0.10	18.96	18 28 0.00	49.062	+	19.3	53.3	10 14 .			
38	α Canum Venat.	11	51 34.72	0.17	18.90	359 58 1.58	47.926	+	0.0	53.0	12 51 .			
39	α Ursæ Minoris s. p.	8	20 42.74	5.93	[18.96]	307 38 1.42	45.370	+	1 14.9	[55.0]	1 20 .			
40	α Serpentis	11	39 33.55	0.06	18.83	32 6 3.35	44.724	+	36.6	53.1	15 39 .			
41	Uranus C, C.	11	42 47.25	0.04	19.00	58 18 2.20	42.638	+	1 34.2	53.4	15 42 28.21		19 27 33.8	
42	ε Serpentis	11	46 2.83	0.05	19.08	34 1 59.80	50.106	+	39.4	53.2	15 45 .			
43	Saturn I, N.	6	49 8.42	0.03	19.00	56 32 5.00	44.190	+	1 28.1	53.4	15 48 49.39	+0.70	17 42 1.6	
44	Saturn II, S.	5	49 9.82	0.03	19.00	56 32 5.00	45.185	+	1 28.1	53.4	15 48 50.79	+0.70	17 42 20.8	
45	δ Scorpii	11	54 36.87	0.05	19.10	61 10 3.72	43.056	+	1 45.7	52.6	15 54 .			
46	β Scorpii	11	59 49.00	0.04	19.01	58 22 2.95	42.795	+	1 34.4	53.7	15 59 .			
47	April 27, S.													
48	α Piscis Australis	11	52 18.20	0.02	19.30	68 58 1.78	46.866	+	2 29.5	50.7	22 51 .			
49	α Pegasi	11	59 57.60	0.14	19.14	24 12 3.75	44.076	+	26.0	52.6	22 59 .			
50	Moon II.	11	5 38.90	0.11	19.21	34 37 .					0 5 19.80	+61.61		
51	β Andromedæ	11	4 16.89	0.21	19.15	3 46 2.28	47.601	+	3.8	53.1	1 3 .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m in.		°	°				' "	' "	"	' "
26 2 18	29.608	68.1	66.3	1, 22, 37.	Bisections at I, II.	1	+	3.7	-15 54.9	-15 51.2
3 27	29.590	70.9	69.2	2, 23.	Bisections at VI, VII.	2	+	3.7	+15 54.9	+15 58.6
4 35	29.550	72.5	71.0	4, 12, 31, 39.	Bisections at I, VII.	11	+	0.4		+ 0.4
5 16	29.528	73.0	70.9	7, 21, 35.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	12	+	0.8	+ 8.6	+ 9.4
5 58	29.500	73.5	72.1	13, 32, 40.	Bisections at II, VI.	13	+	0.8	+ 8.6	+ 7.8
13 30	29.606	54.5	52.0	17.	Bisections at II, III, IV, V, VI.	17	+35	14.5	-15 0.2	+20 14.3
14 53	29.632	54.5	48.9	31, 32.	Z. D. thread A used.	22	+	3.7	+15 55.4	+15 59.1
15 34	29.632	50.0	47.3			23	+	3.6	-15 55.4	-15 51.8
16 32	29.646	48.0	45.4			24	+	2.9		+ 3.5
23 21	29.740	48.6	46.3			31	+	0.8	20.0	+ 19.2
1 25	29.760	51.8	49.8			32	+	0.8	+ 20.0	+ 20.8
2 22	29.744	52.9	51.8			37	+	0.4		+ 0.4
3 17	29.734	55.3	53.4			39	+	0.8	- 9.6	- 8.8
3 47	29.732	56.8	54.1			40	+	0.8	+ 9.6	+ 10.4
4 30	29.724	57.7	55.0							
9 40	29.736	54.7	52.7							
10 14	29.738	53.2	52.2							
12 51	29.742	50.2	48.8							
13 15	29.740	49.6	48.3							
15 34	29.718	47.0	45.9							
15 59	29.714	47.0	45.6							
22 44	29.808	51.5	51.4							
1 6	29.788	60.7	58.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment. Clock.								
			m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Ursæ Minoris. April 28, S.	6	20 31.70	+ 5.49 [-19.16]	310 6 0.50	47.332	- 1 7.2	[51.9]	1 20 . . .	. . .	. . .	. . .
2	Sun I, S.	11	24 13.43	+ 0.14 -19.30	24 42 2.25	49.485	+ 26.0	53.1	2 23 54.27	+65.90	+ 14 7 22.9	. . .
3	Sun II, N.	11	26 25.23	+ 0.14 -19.30	24 10 1.50	49.992	+ 25.4	53.1	2 26 6.07	+65.90	+ 14 39 10.8	. . .
4	γ Tauri.	8	41 41.28	+ 0.17 -19.30	15 4 . .	. . .	. . .	. . .	3 41 . . .	. . .	. . .	. . .
5	Mercury C, C.	11	45 51.85	+ 0.16 -19.35	16 12 1.42	47.582	+ 16.4	53.6	3 45 32.66	+ 0.13	+ 22 38 8.4	. . .
6	α Tauri.	11	30 20.50	+ 0.14 -19.40	22 32 0.85	46.941	+ 23.3	53.1	4 30 . . .	. . .	. . .	. . .
7	β Orionis.	11	9 55.18	+ 0.07 -19.43	47 10 1.48	43.411	+ 1 0.2	54.8	5 9 . . .	. . .	. . .	. . .
8	ε Leonis.	11	40 21.99	+ 0.01 -19.24	14 36 1.08	45.440	+ 14.7	52.9	9 40 . . .	. . .	. . .	. . .
9	μ Leonis.	11	47 16.15	+ 0.01 -19.29	12 22 1.08	43.640	+ 12.4	53.5	9 46 . . .	. . .	. . .	. . .
10	α Leonis.	11	3 14.86	+ 0.05 -19.26	26 22 2.05	47.138	+ 28.0	54.1	10 2 . . .	. . .	. . .	. . .
11	Jupiter I, S.	5	11 21.46	+ 0.05 -19.27	26 16 3.25	48.975	+ 28.0	53.1	10 11 2.14	+ 1.36	+ 12 33 27.9	. . .
12	Jupiter II, N.	6	11 24.18	+ 0.05 -19.27	26 16 3.25	46.968	+ 28.0	53.1	10 11 4.86	+ 1.36	+ 12 34 6.3	. . .
13	γ ¹ Leonis.	11	14 39.47	+ 0.02 -19.27	18 28 2.25	48.939	+ 19.0	52.9	10 14 . . .	. . .	. . .	. . .
14	ρ Leonis.	11	27 45.07	+ 0.06 -19.30	29 0 2.40	47.149	+ 31.4	53.7	10 27 . . .	. . .	. . .	. . .
15	α Ursæ Minoris S. P.	4	20 41.10	+ 3.50 [-19.37]	307 38 1.50	45.307	- 1 14.4	[54.6]	1 20 . . .	. . .	. . .	. . .
16	α Serpentis.	8	39 34.07	+ 0.06 -19.41	32 6 3.40	44.770	+ 36.5	52.6	15 39 . . .	. . .	. . .	. . .
17	Saturn I, S.	6	48 52.47	+ 0.15 -19.43	56 30 1.82	48.710	+ 1 27.8	53.1	15 48 32.89	+ 0.65	+ 17 41 25.2	. . .
18	Saturn II, N.	5	48 53.78	+ 0.15 -19.43	56 30 1.82	47.868	+ 1 27.8	53.1	15 48 34.20	+ 0.66	+ 17 41 9.0	. . .
19	δ Scorpil.	11	54 37.39	+ 0.17 -19.48	61 9 56.68	43.414	+ 1 45.4	52.0	15 54 . . .	. . .	. . .	. . .
20	β ¹ Scorpil.	11	59 49.58	+ 0.16 -19.45	58 22 3.00	42.811	+ 1 34.2	53.8	15 59 . . .	. . .	. . .	. . .
21	δ Ophiuchi.	11	9 19.35	+ 0.10 -19.45	42 16 3.70	46.005	+ 52.8	53.0	16 8 . . .	. . .	. . .	. . .
22	α Scorpil. April 28, B.	11	23 28.35	+ 0.18 -19.41	65 2 3.60	43.489	+ 2 4.5	52.5	16 23 . . .	. . .	. . .	. . .
23	α Andromedæ.	11	3 23.51	+ 0.06 -19.42	10 20 3.78	44.176	+ 10.4	54.4	0 3 . . .	. . .	. . .	. . .
24	β Ceti.	11	38 45.54	+ 0.10 -19.58	57 24 3.52	40.995	+ 1 28.5	55.3	0 38 . . .	. . .	. . .	. . .
25	β Andromedæ.	11	4 17.38	+ 0.08 -19.33	3 46 4.22	47.028	+ 3.8	55.5	1 3 . . .	. . .	. . .	. . .
26	α Ursæ Minoris.	6	20 33.28	+ 4.66 [-19.51]	310 6 3.52	47.332	- 1 6.8	[54.8]	1 20 . . .	. . .	. . .	. . .
27	Venus II, S. April 29, B.	11	16 20.09	+ 0.02 -19.47	19 54 2.92	50.745	+ 20.4	55.6	2 16 0.64	+ 2.09	+ 18 55 4.2	. . .
28	Sun I, S.	11	28 1.66	+ 0.01 -19.48	24 24 2.28	47.835	+ 25.5	55.7	2 27 42.19	+66.01	+ 14 25 57.6	. . .
29	Sun II, N.	11	30 13.68	+ 0.01 -19.48	23 52 7.55	47.890	+ 24.9	55.7	2 29 54.21	+66.01	+ 14 57 48.2	. . .
30	Mercury C, C.	10	49 44.96	+ 0.04 -19.50	16 0 2.60	47.921	+ 16.1	56.1	3 49 25.50	+ 0.15	+ 22 50 3.5	. . .
31	γ Geminorum.	11	32 6.44	+ 0.02 -19.54	22 22 5.28	33.468	+ 22.9	56.6	6 31 . . .	. . .	. . .	. . .
32	α Canis Majoris.	11	40 57.04	+ 0.10 -19.57	55 24 3.00	36.470	+ 1 20.6	57.3	6 40 . . .	. . .	. . .	. . .
33	α Leonis.	11	3 15.29	+ 0.11 -19.64	26 22 5.00	47.081	+ 28.0	56.0	10 2 . . .	. . .	. . .	. . .
34	Jupiter I, S.	6	11 23.95	+ 0.11 -19.65	26 16 4.65	50.125	+ 27.9	55.4	10 11 4.19	+ 1.35	+ 12 33 6.7	. . .
35	Jupiter II, N.	5	11 26.64	+ 0.11 -19.65	26 16 4.65	48.150	+ 27.9	55.4	10 11 6.88	+ 1.34	+ 12 33 44.7	. . .
36	γ ¹ Leonis.	11	14 39.93	+ 0.10 -19.66	18 28 0.70	49.136	+ 18.9	55.1	10 14 . . .	. . .	. . .	. . .
37	ρ Leonis.	11	27 45.49	+ 0.12 -19.67	29 0 1.48	47.309	+ 31.4	55.8	10 27 . . .	. . .	. . .	. . .
38	l Leonis.	11	44 12.88	+ 0.12 -19.64	27 46 2.88	43.525	+ 29.8	55.4	10 43 . . .	. . .	. . .	. . .
39	B. D. +37°, 2545.	11	29 30.82	+ 0.08 -19.73	1 26 5.82	46.840	+ 1.5	55.4	14 29 11.01	+ 3.25	+ 37 24 34.7	+16.6
40	ε Bootis.	11	40 52.05	+ 0.09 [-19.53]	11 20 1.08	47.678	+ 11.5	54.7	14 40 . . .	. . .	. . .	. . .
41	β Bootis.	11	58 26.72	+ 0.08 [-19.44]	358 4 4.60	44.109	+ 1.9	54.9	14 58 . . .	. . .	. . .	. . .
42	β Libræ.	11	11 50.79	+ 0.16 -19.73	47 50 2.12	47.118	+ 1 3.2	55.5	15 11 . . .	. . .	. . .	. . .
43	α Serpentis.	11	39 34.44	+ 0.12 -19.71	32 6 . . .	. . .	. . .	. . .	15 39 . . .	. . .	. . .	. . .
44	Uranus C, C.	11	42 28.77	+ 0.19 -19.75	58 15 58.32	46.000	+ 1 32.5	55.4	15 42 8.83	. . .	+ 19 26 32.1	. . .
45	Saturn I, S.	6	48 36.02	+ 0.18 -19.75	56 29 58.05	46.295	+ 1 26.5	55.4	15 48 16.09	+ 0.63	+ 17 40 31.4	. . .
46	Saturn II, N.	5	48 37.28	+ 0.18 -19.75	56 29 58.05	45.368	+ 1 26.5	55.4	15 48 17.35	+ 0.63	+ 17 40 13.8	. . .
47	δ Scorpil.	11	54 37.70	+ 0.20 -19.74	61 9 59.60	43.509	+ 1 43.9	55.2	15 54 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
25 2 26	29.754	62.8	62.2	1.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	2	+	3.7	+15 53.9	+15 57.6
3 39	29.744	64.8	65.1	2, 16, 28.	Bisections at I, II.	3	+	3.6	+15 53.9	+15 50.3
4 37	29.726	67.8	66.7	3, 29.	Bisections at VI, VII.	5	+	2.9	. . .	+ 3.6
5 28	29.726	68.8	67.0	11, 17, 35, 46.	Bisections at II, VI.	11	+	0.8	+ 19.2	+ 20.0
9 34	29.710	63.8	63.2	12, 18, 34, 45.	Bisections at I, VII.	12	+	0.8	+ 19.2	+ 18.4
10 34	29.716	60.9	59.6	15, 26.	Bisections at C ₂ , C ₃ , C ₄ .	17	+	0.8	+ 8.1	+ 8.9
12 50	29.750	55.6	52.7	21.	Bisections at II, VI, VII.	18	+	0.8	+ 8.1	+ 7.3
13 58	29.758	52.2	50.0	31, 32.	Z. D. thread A used.	27	+	10.5	+ 29.8	+ 40.3
16 7	29.748	49.2	47.2			28	+	3.6	+15 55.2	+15 58.8
16 28	29.736	49.0	47.0			29	+	3.5	+15 55.3	+15 51.8
1 0 0	29.774	59.8	58.6			30	+	2.9	. . .	+ 3.6
1 0 0	29.764	63.0	60.7			34	+	0.8	+ 19.0	+ 19.8
1 30	29.760	64.5	62.0			35	+	0.8	+ 19.0	+ 18.2
2 30	29.750	66.2	65.2			44	+	0.4	. . .	+ 0.4
3 50	29.730	68.3	67.1			45	+	0.8	+ 8.8	+ 9.6
6 30	29.710	70.0	69.1			46	+	0.8	+ 8.8	+ 8.0
7 10	29.710	69.2	69.1							
10 0	29.712	64.0	62.2							
11 0	29.728	62.0	60.4							
14 30	29.728	58.0	56.2							
15 15	29.726	57.0	55.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
1	β^1 Scorpii	11	m s	s	s	° / "	rev.	/' "	''	h m s	s	° / "	''
2	Groombridge 2320.	11	59 49.99	- 0.19	-19.81	58 21 58.52	43.226	+ 1 32.9	55.9	15 59 . .	. .		. .
	May 3, Br.		6 26.23	- 0.06	[-19.82]	330 46 4.30	48.642	- 31.9	[55.5]	16 6 . .	. .		. .
3	Uranus C, C.	11	41 51.74	+ 0.09	-22.17	58 14 1.68	45.342	+ 1 33.7	53.1	15 41 29.66	. .	- 19 24 26.4	. .
4	Saturn I, S.	6	47 29.75	+ 0.10	-22.17	56 26 2.25	46.712	+ 1 27.4	53.1	15 47 7.68	+ 0.68	- 17 36 46.8	. .
5	Saturn II, N.	5	47 31.12	+ 0.10	-22.17	56 26 2.25	45.850	+ 1 27.4	53.1	15 47 9.05	- 0.69	- 17 36 30.4	. .
6	β^1 Scorpii	11	59 52.13	+ 0.09	-22.16	58 22 2.75	42.830	+ 1 34.0	53.6	15 59 . .	. .		. .
7	δ Ophiuchi	11	9 21.85	+ 0.15	-22.11	42 16 2.95	46.029	+ 52.8	52.4	16 8 . .	. .		. .
8	α Scorpii	11	23 31.07	+ 0.07	-22.27	65 2 3.32	43.558	+ 2 4.3	53.2	16 23 . .	. .		. .
9	ζ Ophiuchi	11	31 54.36	+ 0.12	-22.19	49 12 3.15	44.460	+ 1 7.3	53.3	16 31 . .	. .		. .
10	ϵ Ursæ Minoris	11	56 58.93	- 1.01	[-21.04]	316 40 1.52	45.098	- 54.6	[51.9]	16 56 . .	. .		. .
	May 3, K.												
11	γ Pegasi	11	8 18.27	+ 0.17	-21.85	24 14 1.88	45.182	+ 25.8	51.0	0 7 . .	. .		. .
12	β Ceti	11	38 47.86	+ 0.06	-21.96	57 24 6.50	40.644	+ 1 29.0	53.2	0 38 . .	. .		. .
13	β Andromedæ	11	4 19.73	+ 0.23	-21.88	3 46 0.82	47.112	+ 3.8	52.1	1 3 . .	. .		. .
14	Venus II.	7	6 6.63	+ 0.17	-21.92	21 56 . .	. .	. .	. .	2 5 44.88	- 2.05		. .
	May 5, S.												
15	α Canum Venat.	11	51 38.17	+ 0.14	-22.37	359 58 0.58	47.738	0.0	51.5	12 51 . .	. .		. .
16	α Ursæ Minoris s. p.	7	20 46.61	- 2.03	[-22.45]	307 38 0.25	45.121	- 1 13.5	[52.6]	1 20 . .	. .		. .
17	Uranus C, C.	11	41 32.16	+ 0.03	-22.52	58 12 1.72	48.259	+ 1 31.8	52.6	15 41 9.67	. .	- 19 23 20.9	. .
18	Saturn I, S.	5	46 55.24	+ 0.04	-22.53	56 24 1.62	47.250	+ 1 25.7	52.6	15 46 32.75	+ 0.77	- 17 34 55.4	. .
19	Saturn II, N.	6	46 56.78	+ 0.04	-22.53	56 24 1.62	46.298	+ 1 25.7	52.6	15 46 34.29	- 0.77	- 17 34 37.1	. .
20	δ Scorpii	11	54 40.38	+ 0.02	-22.53	61 10 2.45	43.274	+ 1 43.2	52.6	15 54 . .	. .		. .
21	β^1 Scorpii	11	59 52.60	+ 0.03	-22.53	58 22 1.52	42.989	+ 1 32.2	53.6	15 59 . .	. .		. .
22	δ Ophiuchi	11	9 22.40	+ 0.07	-22.55	42 16 3.18	46.074	+ 51.8	52.7	16 8 . .	. .		. .
23	α Scorpii	11	23 31.47	+ 0.01	-22.58	65 2 2.05	43.739	+ 2 1.7	52.7	16 23 . .	. .		. .
	May 5, B.												
24	α Andromedæ	11	3 26.65	+ 0.03	-22.35	10 20 8.72	33.661	+ 10.2	52.7	0 3 . .	. .		. .
25	γ Pegasi	8	8 19.00	+ 0.01	-22.37	24 14 0.52	35.231	+ 25.2	53.6	0 7 . .	. .		. .
26	β Andromedæ	11	4 20.47	+ 0.04	-22.39	3 46 2.58	47.046	+ 3.7	53.7	1 3 . .	. .		. .
27	α Ursæ Minoris	7	20 44.11	+ 0.69	[-22.40]	310 6 2.75	47.256	- 1 5.8	[51.8]	1 20 . .	. .		. .
28	Venus II, N.	11	2 38.26	- 0.08	-22.40	22 44 3.02	46.245	+ 23.4	53.8	2 2 15.78	- 2.02	+ 16 6 25.7	. .
	May 6, B.												
29	Sun I, N.	11	54 56.41	+ 0.02	-22.41	21 50 1.18	45.572	+ 22.3	54.0	2 54 34.02	+66.47	+ 17 0 43.5	. .
30	Sun II, S.	11	57 9.35	+ 0.02	-22.41	22 22 0.60	44.455	+ 22.9	54.0	2 56 46.96	-66.47	+ 16 29 1.3	. .
31	α Tauri	11	30 23.71	+ 0.02	-22.50	22 32 3.62	46.918	+ 23.0	55.1	4 30 . .	. .		. .
32	μ Geminorum	11	17 7.34	+ 0.02	-22.47	16 16 3.10	47.804	+ 16.2	55.1	6 16 . .	. .		. .
33	γ Geminorum	11	32 9.30	+ 0.02	-22.47	22 22 3.55	43.680	+ 22.7	55.4	6 31 . .	. .		. .
34	Moon I	11	50 10.70	+ 0.03	-22.47	13 46 . .	. .	. .	. .	6 49 48.26	+68.95		. .
35	δ Geminorum	11	14 22.20	+ 0.02	-22.46	16 40 2.55	46.889	+ 16.5	55.2	7 13 . .	. .		. .
36	α^2 Geminorum	11	28 25.74	+ 0.04	-22.44	6 44 3.45	35.248	+ 6.6	53.9	7 28 . .	. .		. .
37	θ Virginis	11	5 2.54	- 0.20	-22.48	43 48 5.45	40.975	+ 53.6	54.8	13 4 . .	. .		. .
38	α Ursæ Minoris s. p.	8	20 45.05	- 0.02	[-22.37]	307 38 2.68	45.026	- 1 12.1	54.8	1 20 . .	. .		. .
39	η Ursæ Majoris	11	43 55.03	- 0.09	[-22.30]	349 2 4.28	44.685	- 10.8	53.6	13 43 . .	. .		. .
40	B. D. +61°, 1381.	8	47 9.93	- 0.08	-22.46	337 50 0.15	44.772	- 22.8	54.3	13 46 47.39	- 4.30	+ 61 1 41.3	+ 9.2
41	α Draconis	11	2 3.28	- 0.07	[-22.54]	334 0 2.85	44.195	+ 27.3	54.5	14 1 . .	. .		. .
42	B. D. +37°, 2545.	11	29 33.54	- 0.11	-22.46	1 26 4.92	46.794	+ 1.5	55.1	14 29 10.97	- 3.29	+ 37 24 36.2	+ 14.8
43	ϵ Bootis	11	40 54.98	- 0.13	-22.38	11 19 58.75	47.744	+ 11.4	54.9	14 40 . .	. .		. .
44	B. D. +41°, 2539.	11	52 32.60	- 0.11	-22.46	357 18 3.55	46.321	- 2.6	54.3	14 52 10.03	- 3.32	+ 41 32 49.9	+ 15.3
45	β Libræ	11	11 53.63	- 0.21	-22.45	47 50 . .	. .	. .	. .	15 11 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				/' "	/' "	''	/' "
29 16 15	29.714	55.0	53.4	3, 5, 6, 18.	Bisections at II, VI.	3	+ 0.4	. .	. .	+ 0.4
3 14 59	29.600	47.0	45.3	4, 19.	Bisections at I, VII.	4	+ 0.8	+ 8.2	. .	+ 9.0
16 7	29.594	47.5	45.8	10, 16, 38.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	5	+ 0.8	- 8.2	. .	- 7.4
17 5	29.592	46.5	45.1	13, 29.	Bisections at I, II.	17	+ 0.4	. .	. .	+ 0.4
0 8	29.690	55.7	55.1	15, 30, 40.	Bisections at VI, VII.	18	+ 0.8	+ 9.2	. .	+ 10.0
1 4	29.598	59.0	57.2	24, 25, 36, 37.	Z. D. thread A used.	19	+ 0.8	- 9.1	. .	- 8.3
5 13 2	29.711	56.8	56.1	27.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	28	+ 11.5	- 28.9	. .	- 17.4
13 34	29.710	57.3	57.0			29	+ 3.2	- 15 51.1	. .	- 15 47.9
15 34	29.711	56.9	56.9			30	+ 3.3	+ 15 51.0	. .	+ 15 54.3
16 27	29.700	57.8	57.4							
0 10	29.802	68.0	68.1							
1 10	29.814	70.2	70.1							
2 10	29.824	72.0	71.2							
6 2 57	29.818	72.6	72.2							
3 45	29.824	73.8	73.3							
4 45	29.824	74.9	74.2							
6 20	29.812	75.8	75.3							
7 20	29.814	76.0	76.1							
13 20	29.824	67.4	68.3							
14 30	29.820	64.0	63.2							
15 35	29.818	64.5	64.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Uranus C, C.	11	41 22.32	- 0.24	-22.46	58 12 3.70	46.635	+ 1 30.7	55.1	15 40 59.62	.	- 19 22 48.1	.
2	Saturn I, S.	6	46 37.83	- 0.24	-22.46	56 24 3.75	44.302	+ 1 24.7	55.1	15 46 15.13	+ 0.71	- 17 33 57.4	.
3	Saturn II, N.	5	46 39.24	- 0.24	-22.46	56 24 3.75	43.385	+ 1 24.7	55.1	15 46 16.54	- 0.70	- 17 33 40.0	.
4	δ Scorpii	11	54 40.59	- 0.26	-22.45	61 9 56.98	43.776	+ 1 42.1	55.7	15 54 . . .	.	.	.
5	β ¹ Scorpii	11	59 52.84	- 0.25	-22.48	58 22 0.38	43.248	+ 1 31.3	56.5	15 59 . . .	.	.	.
6	δ Ophiuchi	11	9 22.59	- 0.19	-22.46	42 16 0.40	46.354	+ 51.3	54.9	16 8 . . .	.	.	.
7	α Scorpii	9	23 31.74	- 0.27	-22.55	65 2 3.95	43.834	+ 2 0.7	55.3	16 23 . . .	.	.	.
May 6, K.													
8	α Andromedæ	11	3 26.95	- 0.15	-22.44	10 19 59.85	44.424	+ 10.2	55.1	0 3 . . .	.	.	.
9	β Andromedæ	11	4 20.78	- 0.14	-22.50	3 46 2.75	47.188	+ 3.7	56.6	1 3 . . .	.	.	.
10	α Ursæ Minoris S. P. . .	8	20 46.42	- 1.02	-22.48	310 6 2.40	47.425	+ 1 5.2	[55.2]	1 20 . . .	.	.	.
11	Venus II, N.	11	1 4.46	- 0.17	-22.47	23 8 2.15	34.615	+ 23.6	56.0	2 0 41.82	- 2.00	+ 15 42 57.4	.
May 7, K.													
12	Sun I, S.	11	58 49.14	- 0.17	-22.48	22 4 0.72	39.322	+ 22.4	56.0	2 58 26.49	+ 66.53	+ 16 45 30.6	.
13	Sun II, N.	11	1 2.20	- 0.17	-22.48	21 32 1.30	39.965	+ 21.8	56.0	3 0 39.55	- 66.53	+ 17 17 14.6	.
14	α Geminorum	11	28 25.94	- 0.15	-22.47	6 44 2.10	45.625	+ 6.6	56.4	7 28 . . .	.	.	.
15	α Canis Minoris	11	34 18.67	- 0.19	-22.52	33 20 3.18	49.280	+ 36.7	55.7	7 33 . . .	.	.	.
16	β Geminorum	11	39 25.08	- 0.15	-22.48	10 34 0.30	46.765	+ 10.5	56.3	7 39 . . .	.	.	.
17	Moon I.	11	44 42.24	- 0.16	-22.49	16 30 . . .	.	.	.	7 44 19.59	+ 68.16	.	.
18	α Ursæ Minoris S. P. . .	7	20 47.90	- 2.31	-22.42	307 37 58.90	45.363	- 1 13.8	[56.1]	1 20 . . .	.	.	.
19	ζ Virginis	11	29 52.22	- 0.18	-22.43	38 54 3.38	47.958	+ 46.2	56.4	13 29 . . .	.	.	.
20	B. D. +37°, 2545. . . .	11	29 33.67	- 0.07	-22.48	1 26 2.12	46.875	+ 1.5	54.7	14 29 11.12	- 3.29	+ 37 24 37.0	+ 14.6
21	ε Bootis	11	40 55.01	- 0.10	-22.43	11 20 1.90	47.558	+ 11.6	54.9	14 40 . . .	.	.	.
22	α ² Libræ	11	45 36.75	- 0.23	-22.56	54 26 2.52	48.274	+ 1 20.5	55.4	14 45 . . .	.	.	.
23	B. D. +41°, 2539. . . .	11	52 32.75	- 0.06	-22.48	357 18 2.45	46.381	+ 2.6	54.7	14 52 10.21	- 3.33	+ 41 32 50.2	+ 15.1
24	β Libræ	11	11 53.66	- 0.20	-22.47	47 50 3.68	46.941	+ 1 3.6	54.3	15 11 . . .	.	.	.
25	Uranus C, C.	11	41 12.26	- 0.25	-22.48	58 12 1.98	44.811	+ 1 33.0	54.7	15 40 49.53	.	- 19 22 14.1	.
26	Saturn I, N.	5	46 20.24	- 0.24	-22.48	56 22 3.05	36.278	+ 1 26.8	54.7	15 45 57.52	+ 0.66	- 17 32 40.5	.
27	Saturn II, S.	6	46 21.57	- 0.24	-22.48	56 22 3.05	37.375	+ 1 26.8	54.7	15 45 58.85	- 0.67	- 17 33 1.7	.
28	δ Scorpii	11	54 40.64	- 0.26	-22.48	61 10 2.90	43.209	+ 1 44.8	53.3	15 54 . . .	.	.	.
29	β ¹ Scorpii	11	59 52.89	- 0.25	-22.51	58 22 3.05	42.841	+ 1 33.7	53.7	15 59 . . .	.	.	.
May 7, Ia.													
30	β Ceti	11	38 48.80	- 0.13	-22.64	57 24 2.20	40.745	+ 1 30.5	53.4	0 38 . . .	.	.	.
31	β Andromedæ	11	4 20.66	+ 0.03	-22.53	3 46 1.40	47.102	+ 3.9	53.8	1 3 . . .	.	.	.
32	α Ursæ Minoris	5	20 43.08	+ 2.85	-22.52	310 6 0.02	47.672	- 1 8.3	[54.1]	1 20 . . .	.	.	.
33	Venus II, N.	11	59 38.04	- 0.02	-22.55	23 32 2.38	41.438	+ 25.2	53.8	1 59 15.47	- 1.97	+ 15 19 56.6	.
34	α Arietis	9	1 44.96	0.00	-22.53	15 52 . . .	.	.	.	2 1 . . .	.	.	.
May 8, Ia.													
35	Sun S.	.	.	.	.	21 50 3.18	42.322	+ 23.1	54.1	.	.	+ 17 1 43.1	.
36	Sun II, N.	11	4 55.11	- 0.02	-22.54	21 18 5.68	42.825	+ 22.5	54.1	3 4 32.55	- 66.64	+ 17 33 28.0	.
37	α Tauri	11	30 23.84	- 0.02	-22.59	22 32 2.42	46.918	+ 23.8	54.7	4 30 . . .	.	.	.
38	β Tauri	7	20 10.13	+ 0.01	-22.44	10 20 1.82	44.176	+ 10.5	55.3	5 19 . . .	.	.	.
39	α Canis Minoris	11	34 18.41	0.05	-22.41	33 20 4.72	49.000	+ 37.7	54.4	7 33 . . .	.	.	.
40	β Geminorum	11	39 24.90	+ 0.01	-22.47	10 33 59.48	46.702	+ 10.7	54.5	7 39 . . .	.	.	.
41	Moon I, N.	11	37 46.72	- 0.01	-22.49	20 14 0.30	41.509	+ 21.0	54.7	8 37 24.22	+ 67.21	+ 18 38 2.6	.
42	ε Hydræ	11	41 43.49	- 0.04	-22.46	32 2 . . .	.	.	.	8 41 . . .	.	.	.
43	α Virginis	10	20 11.57	- 0.09	-22.58	49 28 4.65	44.403	+ 1 8.1	54.2	13 19 . . .	.	.	.
44	α Ursæ Minoris S. P. . .	7	20 51.81	- 5.64	-22.52	307 37 59.25	45.477	- 1 15.2	[55.7]	1 20 . . .	.	.	.
45	η Ursæ Majoris	11	43 54.91	+ 0.15	-22.43	349 2 3.05	44.779	- 11.2	54.2	13 43 . . .	.	.	.
46	B. D. +41°, 2539. . . .	11	52 32.47	+ 0.10	-22.53	357 18 3.30	46.319	- 2.7	54.3	14 52 10.04	- 3.33	+ 41 32 50.2	+ 14.8

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 16 39	29.804	64.0	63.4	2, 26.	Bisections at I, VII.	1	+ 0.4	.	.	+ 0.4
0 3	29.820	70.4	71.1	3, 27.	Bisections at II, VI.	2	+ 0.8	+ 8.7	.	+ 9.5
1 4	29.832	75.6	74.7	10, 18.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	3	+ 0.8	8.7	.	- 7.9
1 57	29.836	76.8	76.0		Bisections at I, II.	11	+ 11.6	- 28.7	.	- 17.1
7 3 1	29.834	77.9	77.2	11, 12, 35.	Z. D. thread A used.	12	+ 3.3	+ 15 51.9	.	+ 15 55.2
7 28	29.860	71.8	71.1	11, 12, 13, 26, 27.	Bisections at VI, VII.	13	+ 3.2	- 15 52.0	.	- 15 48.8
7 50	29.868	71.4	70.5		Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	25	+ 0.4	.	.	+ 0.4
13 27	29.972	61.0	59.0	32.	Bisections at II, VI, VII.	26	+ 0.8	- 10.6	.	- 9.8
14 29	29.990	59.0	57.2	33, 43.	Bisections at II, III, IV, V, VI.	27	+ 0.8	+ 10.6	.	+ 11.4
14 52	30.000	58.3	56.4	44.	Bisections at C ₂ , C ₁ , B ₃ , B ₂ , B ₁ .	33	+ 11.7	- 28.4	.	- 16.7
15 11	30.004	57.8	56.1			35	+ 3.2	+ 15 52.5	.	+ 15 55.7
15 59	30.010	56.5	54.2			36	+ 3.2	- 15 52.4	.	- 15 49.2
0 38	30.184	59.8	56.0			41	+ 19 18.2	- 15 21.4	.	+ 3 56.8
1 4	30.188	61.0	56.8							
1 33	30.192	61.9	57.5							
2 20	30.190	62.7	59.0							
3 4	30.184	63.5	60.3							
4 30	30.162	64.4	62.8							
5 31	30.144	65.7	63.4							
7 28	30.124	65.9	61.1							
8 41	30.108	64.2	65.2							
13 26	30.094	54.2	52.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrum- ent.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Bootis	11	58 29.63	+ 0.10	-22.45	358 3 56.42	44.380	- 1.9	54.4	14 58 . . .			
2	β Libræ	11	51 53.59	- 0.08	-22.51	47 50 4.00	46.872	+ 1 4.7	54.4	15 11 . . .			
3	Uranus C.	11	41 2.06	- 0.13	-22.54	58 11 . . .				15 40 39.39			
4	Saturn I, N.	6	46 2.47	- 0.12	-22.54	56 22 3.00	43.480	+ 1 27.9	54.3	15 45 39.81	+ 0.63	- 17 31 44.9	
5	Saturn II, S.	5	46 3.74	- 0.12	-22.54	56 22 3.00	44.450	+ 1 27.9	54.3	15 45 41.08	- 0.64	- 17 32 3.6	
6	δ Scorpii	11	54 40.64	- 0.14	-22.58	61 10 4.45	43.005	+ 1 46.2	53.8	15 54 . . .			
7	β^* Scorpii	11	59 52.83	- 0.13	-22.56	58 22 4.75	42.761	+ 1 35.0	55.2	15 59 . . .			
8	δ Ophiuchi	11	9 22.56	- 0.06	-22.53	42 16 5.25	45.897	+ 1 53.4	53.9	16 8 . . .			
May 9, S.													
9	α Hydræ	11	22 56.18	- 0.16	-22.77	47 2 1.42	48.850	+ 1 59.6	56.8	9 22 . . .			
10	Moon I, N.	11	29 30.07	- 0.09	-22.78	25 14 0.82	42.065	+ 1 26.2	56.1	9 29 7.20	+ 66.46	+ 13 37 47.7	
11	ϵ Leonis	11	40 25.46	- 0.07	-22.81	14 36 1.65	45.530	+ 1 14.5	55.5	9 40 . . .			
12	α Leonis	11	3 18.27	- 0.10	-22.76	26 22 2.40	47.255	+ 1 27.6	56.8	10 2 . . .			
13	γ^* Leonis	11	14 42.86	- 0.08	-22.73	18 28 1.10	49.104	+ 1 18.7	55.4	10 14 . . .			
14	η H. Draconis	11	26 49.36	+ 0.21	-22.98	322 36 0.68	48.892	- 1 42.4	[56.4]	10 26 . . .			
15	ι Leonis	11	44 16.00	- 0.10	-22.89	27 46 2.68	43.522	+ 1 29.4	55.9	10 43 . . .			
May 13, B.													
16	α Canum Venat.	11	51 40.82	- 0.03	-24.92	359 58 1.12	47.880	0.0	56.4	12 51 . . .			
17	Moon I, N.	8	59 39.27	- 0.10	-24.95	50 51 58.65	46.718	+ 1 9.5	56.7	12 59 14.22	+ 70.29	- 12 2 22.1	
18	α Virginis	11	20 13.99	- 0.10	-24.99	49 28 0.95	44.874	+ 1 6.2	57.0	13 19 . . .			
19	α Ursæ Minoris S. P.	7	20 49.89	+ 1.56	[-24.97]	307 38 4.05	45.160	- 1 13.0	[58.0]	1 20 . . .			
May 13, K.													
20	α Persei	11	17 23.25	+ 0.03	-25.00	349 22 1.00	43.969	- 10.4	56.6	3 16 . . .			
May 14, K.													
21	Sun I, N.	11	26 14.21	- 0.02	-25.01	19 45 57.08	46.858	+ 1 20.0	56.8	3 25 49.18	+ 67.12	+ 19 4 28.0	
22	Sun II, S.	11	28 28.46	- 0.02	-25.01	20 17 56.90	45.635	+ 1 20.5	56.8	3 28 3.43	- 67.13	+ 18 32 47.6	
23	α Orionis	11	50 1.74	- 0.04	-25.15	31 28 4.40	43.082	+ 1 33.6	57.8	5 49 . . .			
24	δ Ursæ Minoris S. P.	1	6 3.16	- 0.28	[-25.18]	305 30 . . .				18 5 . . .			
25	μ Germinorum	11	17 10.04	- 0.01	-25.19	16 16 0.92	48.015	+ 1 16.1	56.6	6 16 . . .			
26	γ Germinorum	11	32 12.00	- 0.02	-25.18	22 22 1.50	43.781	+ 1 22.6	55.3	6 31 . . .			
27	α Canis Majoris	11	41 2.64	- 0.10	-25.33	55 23 59.98	46.809	+ 1 19.5	57.9	6 40 . . .			
May 15, S.													
28	Sun I, S.	11	30 11.84	- 0.06	-25.55	20 4 3.90	45.205	+ 1 20.8	55.9	3 29 46.23	+ 67.08	+ 18 46 51.1	
29	Sun II, N.	11	32 26.00	- 0.06	-25.55	19 31 57.72	46.432	+ 1 20.2	55.9	3 32 0.39	- 67.08	+ 19 18 30.9	
30	α Tauri	11	30 27.03	- 0.07	-25.70	22 32 2.65	47.025	+ 1 23.6	56.9	4 30 . . .			
31	α Aurigæ	11	9 31.14	0.00	-25.57	352 58 2.48	43.862	- 1 6.9	55.5	5 9 . . .			
32	β Tauri	7	20 13.38	- 0.04	-25.61	10 20 1.98	44.265	+ 1 10.4	55.4	5 19 . . .			
33	η Ursæ Minoris	11	43 58.48	+ 0.10	[-26.01]	349 2 2.92	44.762	- 11.0	54.6	13 43 . . .			
34	B. D. + 61°, 1381	9	47 13.38	+ 0.12	-26.17	337 50 2.12	44.715	- 1 23.2	56.3	13 46 47.33	- 4.17	+ 61 1 45.1	+ 6.7
35	α Bootis	11	11 26.98	+ 0.05	-26.15	19 8 3.85	45.105	+ 1 19.9	55.3	14 11 . . .			
36	α^* Libræ	11	45 40.32	- 0.02	-26.28	54 26 2.55	48.369	+ 1 20.2	56.9	14 45 . . .			
37	Moon I, S.	11	3 28.81	- 0.04	-26.25	62 27 53.52	50.685	+ 1 50.0	56.3	15 3 2.52	+ 75.93	- 23 40 13.9	
38	β Libræ	11	11 57.33	0.00	-26.26	47 50 3.35	47.061	+ 1 3.4	56.3	15 11 . . .			
39	Uranus C, C.	11	39 53.87	- 0.03	-26.29	58 8 3.40	43.484	+ 1 32.3	56.3	15 39 27.55		- 19 17 47.8	
40	Saturn I, S.	6	43 59.27	- 0.02	-26.29	56 16 2.40	42.420	+ 1 25.9	56.3	15 43 32.96	+ 0.64	- 17 25 20.1	
41	Saturn II, N.	5	44 0.54	- 0.02	-26.29	56 16 2.40	41.495	+ 1 25.9	56.3	15 43 34.23	- 0.63	- 17 25 2.2	
42	δ Scorpii	11	54 44.35	- 0.03	-26.30	61 10 3.48	43.402	+ 1 44.2	56.8	15 54 . . .			
43	β^* Scorpii	11	59 56.58	- 0.03	-26.29	58 22 2.65	43.090	+ 1 33.2	57.5	15 59 . . .			
44	α Scorpii	11	23 35.48	- 0.04	-26.34	65 2 3.20	43.829	+ 2 3.2	56.5	16 23 . . .			
May 16, S.													
45	α Ursæ Minoris S. P.	5	20 54.82	+ 0.65	[-26.63]	307 38 1.28	45.113	- 1 13.9	55.8	1 20 . . .			

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°					' "	' "	"	' "
8	15	6	30.084	52.1	49.9	4, 41.	Bisections at I, VII.						
15	54		30.072	51.9	49.0	5, 11, 40.	Bisections at II, VI.	4	+ 0.8	- 9.3		-	8.5
16	23		30.056	50.6	47.3	6, 9, 16, 22, 29.	Bisections at VI, VII.	5	+ 0.8	+ 9.4		+	10.2
9	24		29.818	72.4	69.1	8, 15.	Bisections at II, VI, VII.	10	+ 24 11.0	- 15 35.0		+	8 36.0
13	10	48	29.800	69.8	66.3	10, 17, 34.	Bisections at III, IV, V.	17	+ 46 55.4	- 16 33.4		+	30 22.0
13	12	50	29.708	62.2	60.0	14.	Bisections at B ₁ , C ₁ , D ₃ .	21	+ 2.9	- 15 50.1		-	15 47.2
14	3	35	29.666	69.5	66.9	19.	Bisections at C ₁ , B ₁ , B ₂ .	22	+ 3.0	+ 15 50.2		+	15 53.2
14	3	28	29.661	70.6	70.1	21, 28, 31, 32.	Bisections at I, II.	28	+ 3.0	+ 15 49.9		+	15 52.9
15	5	50	29.614	74.0	73.4	33.	Bisections at II, III.	29	+ 2.9	- 15 49.8		-	15 46.9
15	6	41	29.590	74.5	74.0	37.	Bisections at II, III, IV, V, VI.	37	+ 54 21.6	+ 16 45.8		+ 71	7.4
15	4	33	29.896	64.5	62.9	45.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	39	+ 0.4			+	0.4
13	50		29.877	58.5	56.9			40	+ 0.8	+ 8.9		+	9.7
14	52		29.876	57.8	56.0			41	+ 0.8	- 9.0		-	8.2
16	21		29.866	56.2	54.4								
16	13	3	29.965	59.5	58.4								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ζ Virginis	11	29 56.35	-0.07	-26.68	38 54 3.08	47.900	+	46.3	57.0	13 29 . .		
2	η Ursæ Majoris	11	43 59.15	-0.01	[-26.58]	349 2 2.42	44.762	-	11.0	54.9	13 43 . .		
3	B. D. +61°, 1381	11	47 13.92	-0.01	-26.57	337 50 2.10	44.693	-	23.3	55.4	13 46 47.34	-4.15	+61 1 44.7 +6.4
4	α Bootis	11	11 27.53	-0.04	-26.61	19 8 2.65	45.185	+	20.0	55.9	14 11 . .		
5	B. D. +37°, 2545	11	29 37.68	-0.02	-26.66	1 26 2.38	46.810	+	1.5	55.9	14 29 11.00	-3.29	+37 24 39.2 +12.3
6	ε Bootis	11	40 59.19	-0.03	-26.65	11 20 2.45	47.484	+	11.6	56.0	14 40 . .		
7	B. D. +41°, 2539	11	52 36.77	-0.02	-26.71	357 18 1.88	46.352	-	2.6	55.4	14 52 10.04	-3.34	+41 32 52.6 +12.6
8	β Bootis	11	58 33.94	-0.02	-26.62	358 4 1.18	44.115	-	1.9	55.4	14 58 . .		
9	β Libræ	11	11 57.92	-0.08	-26.77	47 50 3.30	46.998	+	1 3.5	55.2	15 11 . .		
10	Uranus C. C.	11	39 44.19	-0.11	-26.80	58 8 2.78	41.700	+	1 32.4	55.9	15 39 17.28		
11	Saturn I, S.	5	43 41.62	-0.10	-26.81	56 14 1.88	45.672	+	1 26.1	55.9	15 43 14.71	+0.67	-17 24 22.6
12	Saturn II, N.	6	43 42.95	-0.10	-26.81	56 14 1.88	44.708	+	1 26.1	55.9	15 43 16.04	-0.66	-17 24 3.9
13	δ Scorpii	11	54 45.00	-0.12	-26.85	61 10 3.05	43.376	+	1 44.4	56.0	15 54 . .		
14	β Scorpii	11	59 57.26	-0.11	-26.88	58 22 2.00	43.060	+	1 33.3	56.4	15 59 . .		
15	Moon II, S.	11	14 32.65	-0.13	-26.87	65 44 2.70	47.771	+	2 7.5	55.9	16 14 5.65	-77.86	-26 55 45.0
16	α Scorpii	11	23 36.05	-0.13	-26.81	65 2 2.80	43.852	+	2 3.3	56.6	16 23 . .		
May 16, Br.													
17	α Andromedæ	11	3 31.53	+0.01	-26.89	10 20 1.72	44.295	+	10.5	55.3	0 3 . .		
18	γ Pegasi	11	8 23.80	-0.00	-26.87	24 14 2.98	45.300	+	25.8	55.7	0 7 . .		
19	α Ursæ Minoris	9	20 56.33	-0.14	[-26.94]	310 5 59.30	47.747	-	7.2	[54.8]	1 20 . .		
20	β Arietis	11	49 24.61	-0.00	-26.99	18 32 1.75	46.815	+	19.1	55.4	1 48 . .		
21	Venus II, N.	11	53 6.88	-0.01	-26.95	26 20 2.78	43.615	+	28.2	55.5	1 52 39.92	-1.74	+12 31 13.3
22	α Arietis	11	1 49.55	+0.01	-26.95	15 52 1.52	46.155	+	16.2	54.8	2 1 . .		
May 17, Br.													
23	Sun I, S.	11	38 8.48	0.00	-27.00	19 36 4.50	47.658	+	20.2	55.5	3 37 41.48	+67.36	+19 14 3.7
24	Sun II, N.	11	40 23.20	0.00	-27.01	19 4 3.00	48.660	+	19.6	55.5	3 39 56.19	-67.35	+19 45 43.1
25	α Tauri	11	30 28.39	0.00	-27.12	22 32 1.88	46.990	+	23.5	55.5	4 30 . .		
26	ι Aurigæ	11	50 44.89	+0.02	-27.02	5 50 0.70	47.751	+	5.8	55.6	4 50 . .		
27	β Orionis	11	10 2.85	-0.05	-27.04	47 10 2.25	43.289	+	1 0.9	56.4	5 9 . .		
28	β Tauri	11	20 14.69	+0.01	-27.00	10 20 0.98	44.239	+	10.3	55.1	5 19 . .		
29	α Canum Venat.	11	51 43.95	+0.02	-27.24	359 58 0.42	47.950	+	0.0	55.0	12 51 . .		
30	α Ursæ Minoris S. P.	11	20 59.39	-2.54	[-27.19]	307 38 0.35	45.127	-	1 13.6	55.7	1 20 . .		
31	η Ursæ Majoris	11	43 59.61	+0.06	[-27.12]	349 2 2.60	44.765	-	11.0	54.6	13 43 . .		
32	B. D. +61°, 1381	10	47 14.63	+0.10	-27.45	337 50 2.85	44.613	-	23.2	55.1	13 46 47.28	-4.14	+61 1 43.8 +6.2
33	α Draconis	11	2 7.79	+0.13	[-27.41]	334 0 1.30	44.141	-	27.8	54.6	14 1 . .		
34	α Bootis	11	11 28.39	-0.03	-27.48	19 8 2.48	45.109	+	19.9	54.4	14 11 . .		
35	B. D. +37°, 2545	11	29 38.59	-0.02	-27.48	1 26 1.95	46.853	+	1.5	55.6	14 29 11.13	-3.29	+37 24 38.0 +12.1
36	ε Bootis	11	41 0.07	0.00	-27.56	11 20 2.22	47.448	+	11.6	55.2	14 40 . .		
37	B. D. +41°, 2539	11	52 37.70	-0.03	-27.48	357 18 2.48	46.260	-	2.6	55.1	14 52 10.25	-3.34	+41 32 52.9 +13.0
38	β Bootis	11	58 34.83	+0.03	-27.56	358 3 53.62	44.464	-	1.9	55.5	14 58 . .		
39	β Libræ	11	11 58.73	-0.10	-27.55	47 50 3.42	47.021	+	1 3.5	55.8	15 11 . .		
40	Uranus C. C.	11	39 34.64	-0.14	-27.48	58 6 1.68	46.249	+	1 32.2	55.6	15 39 7.02		
41	Saturn S.	5	43 25.28	-0.14	-27.48	56 11 59.85	49.085	+	1 25.8	55.6	15 42 57.66	-0.65	-17 23 25.8
42	Saturn II, N.	5	43 25.28	-0.14	-27.48	56 11 59.85	48.020	+	1 25.8	55.6	15 42 57.66	-0.65	-17 23 5.5
43	δ Scorpii	11	54 45.73	-0.16	-27.52	61 10 2.00	43.464	+	1 44.2	56.4	15 54 . .		
44	β Scorpii	11	59 57.86	-0.14	-27.44	58 22 2.62	43.080	+	1 33.2	57.3	15 59 . .		
45	α Scorpii	11	23 36.82	-0.17	-27.52	65 2 2.82	43.818	+	2 3.1	55.7	16 23 . .		
46	Moon II, S.	11	24 53.01	-0.19	-27.48	66 54 2.42	44.727	+	2 14.7	55.6	17 24 25.34	-78.01	-28 4 53.9
47	γ Sagittarii	11	59 42.84	-0.19	-27.48	69 14 2.68	45.981	+	2 31.6	55.7	17 59 . .		
48	μ Sagittarii	11	8 7.22	-0.15	-27.44	59 53 58.40	47.861	+	1 39.6	56.6	18 7 . .		

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
16 4 4	29.963	58.8	57.6	1, 24.	Bisections at VI, VII.	10	+ 0.4	. . .	. . .	+ 0.4
15 4 4	29.964	57.8	56.4	2, 3, 46.	Bisections at III, IV, V.	11	+ 0.8	+ 9.4	. . .	+ 10.2
16 5 1	29.963	56.8	55.4	7, 8.	Bisections at I, II, VI.	12	+ 0.8	- 9.3	. . .	- 8.5
23 59	30.044	61.0	61.2	11, 42.	Bisections at II, VI.	15	+55 45.2	+16 43.4	. . .	+72 28.6
1 17	30.052	65.8	63.4	12, 41.	Bisections at I, VII.	21	+ 11.6	- 25.4	. . .	- 13.8
2 9	30.056	66.8	64.5	15.	Bisections at II, III, IV, V, VI.	23	+ 2.9	+15 49.6	. . .	+15 52.5
3 40	30.042	67.1	66.2	19.	Bisections at C ₃ , C ₄ , C ₅ , D ₁ , D ₂ .	24	+ 2.8	-15 49.7	. . .	-15 46.9
4 23	30.034	67.5	66.2	23, 29, 31.	Bisections at I, II.	40	+ 0.4	. . .	. . .	+ 0.4
5 1	30.030	68.5	67.0	30.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	41	+ 0.8	+ 10.1	. . .	+ 10.9
5 34	30.032	69.0	67.1	32, 35.	Bisections at II, VI, VII.	42	+ 0.8	- 10.2	. . .	- 9.4
12 43	30.018	63.0	63.2			46	+55 47.7	+16 35.3	. . .	+72 23.0
14 35	30.010	59.0	57.7							
15 25	30.002	58.5	57.5							
16 40	30.000	58.0	56.4							
17 51	30.004	56.8	55.2							
18 45	29.998	55.5	53.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	May 17, K.		m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	β Andromedæ . . .	11	4 25.72	- 0.08	-27.21	3 46 0.72	47.202	+ 3.8	54.7	1 3 . .	. .		. .
2	α Ursæ Minoris . . .	6	20 55.97	+ 1.39	-27.30	3 10 6 1.18	47.618	- 1 7.1	[55.3]	1 20 . .	. .		. .
3	η Piscium	11	26 26.52	- 0.13	27.34	24 2 2.48	44.484	+ 25.4	55.4	1 25 . .	. .		. .
4	β Arietis	11	49 25.05	- 0.11	-27.30	18 32 2.42	46.788	+ 19.0	55.5	1 48 . .	. .		. .
5	Venus II, N.	11	53 7.75	- 0.13	-27.30	26 32 7.20	37.881	+ 28.3	55.4	1 52 40.32	- 1.72	+ 12 17 43.3	. .
6	α Arietis	11	1 50.04	- 0.11	-27.30	15 52 0.88	46.222	+ 16.1	55.3	2 1 . .	. .		. .
	May 18, K.												
7	Sun I, S.	11	42 7.58	- 0.12	-27.37	19 24 6.18	44.015	+ 19.8	56.3	3 41 40.09	+67.41	+ 19 27 13.0	. .
8	Sun II, N.	11	44 22.40	- 0.12	-27.37	18 52 6.12	45.000	+ 19.3	56.3	3 43 54.91	-67.41	+ 19 58 51.3	. .
9	α Tauri	11	30 28.83	- 0.12	-27.43	22 32 2.30	47.055	+ 23.3	56.9	4 30 . .	. .		. .
10	γ Aurigæ	11	50 45.41	- 0.09	-27.43	5 50 0.02	47.785	+ 5.8	56.9	4 50 . .	. .		. .
11	β Orionis	11	10 3.37	- 0.19	-27.42	47 10 1.32	43.430	+ 1 0.4	57.9	5 9 . .	. .		. .
12	β Tauri	11	20 15.18	- 0.10	-27.37	10 20 0.25	44.342	+ 10.3	56.2	5 19 . .	. .		. .
13	α Coronæ Borealis . .	11	30 50.62	- 0.06	-27.78	11 48 1.15	43.859	+ 11.9	55.3	15 30 . .	. .		. .
14	Uranus C, C.	11	39 24.75	- 0.08	-27.88	58 6 1.80	44.578	+ 1 30.9	56.6	15 38 56.79	. .	- 19 16 5.5	. .
15	Saturn I, N.	6	43 6.08	- 0.08	-27.88	56 12 1.55	45.128	+ 1 24.6	56.6	15 42 38.12	+ 0.68	- 17 22 9.5	. .
16	Saturn II, S.	5	43 7.44	- 0.08	-27.88	56 12 1.55	46.015	+ 1 24.6	56.6	15 42 39.48	- 0.68	- 17 22 26.6	. .
17	ϵ Serpentis	11	46 12.01	- 0.06	-27.88	34 2 2.58	50.068	+ 38.4	56.7	15 45 . .	. .		. .
18	δ Scorpii	11	54 46.06	- 0.09	-27.91	61 10 3.00	43.530	+ 1 42.7	57.2	15 54 . .	. .		. .
19	δ Scorpii	11	59 58.36	- 0.09	-27.97	58 22 2.80	43.165	+ 1 31.8	57.7	15 59 . .	. .		. .
20	δ Herculis	11	58 19.11	- 0.07	-27.86	5 8 3.45	46.114	+ 5.2	55.7	16 57 . .	. .		. .
21	B. D. +44°, 2652 . .	11	2 27.56	- 0.08	-27.93	354 54 3.15	46.410	- 5.0	56.6	17 1 59.55	- 3.02	+ 43 56 53.2	+15.1
22	B. D. +39°, 3147 . .	11	27 44.53	- 0.07	-27.95	359 54 1.55	44.888	- 0.0	56.6	17 27 16.51	- 2.89	+ 38 57 19.1	+15.2
23	μ Herculis	11	42 56.27	- 0.06	-27.73	11 4 0.90	46.466	+ 11.2	55.0	17 42 . .	. .		. .
24	γ^2 Sagittarii	11	59 43.35	- 0.11	-28.05	69 14 3.10	46.184	+ 2 29.5	57.9	17 59 . .	. .		. .
25	δ Ursæ Minoris . . .	6	6 7.81	- 1.47	-28.04	312 16 3.00	44.305	- 1 2.4	[55.9]	18 5 . .	. .		. .
26	μ Sagittarii	11	8 7.85	- 0.09	-28.10	59 54 1.82	47.740	+ 1 38.2	56.3	18 7 . .	. .		. .
27	η Serpentis	11	16 29.91	- 0.07	-28.00	41 46 0.78	45.426	+ 51.0	57.4	18 16 . .	. .		. .
28	Moon II, S.	11	33 39.72	- 0.10	-27.99	65 54 0.98	34.233	+ 2 7.0	56.6	18 33 11.63	-76.22	- 27 4 37.6	. .
29	σ Sagittarii	11	49 24.36	- 0.10	-28.09	65 14 2.75	47.188	+ 2 3.2	56.4	18 48 . .	. .		. .
	May 18, S.												
30	β Andromedæ	11	4 26.43	- 0.08	-27.89	3 46 . .	. .	. .	. .	1 3 . .	. .		. .
31	Venus II, N.	11	53 17.27	- 0.11	-27.99	26 46 2.50	43.269	+ 28.3	56.5	1 52 49.17	1.69	+ 12 5 21.1	. .
32	α Arietis	11	1 50.82	- 0.09	-28.08	15 52 1.52	46.105	+ 16.0	55.1	2 1 . .	. .		. .
	May 19, S.												
33	Sun I, N.	11	46 7.24	- 0.10	-28.02	18 38 4.10	49.170	+ 18.8	56.5	3 45 39.12	+67.54	+ 20 11 37.4	. .
34	Sun II, S.	11	48 22.33	- 0.10	-28.02	19 10 2.02	47.995	+ 19.4	56.5	3 47 54.21	-67.55	+ 19 39 58.1	. .
35	α Tauri	11	30 29.44	- 0.10	-28.05	22 32 1.78	47.076	+ 23.1	56.6	4 30 . .	. .		. .
36	α Aurigæ	8	9 33.72	- 0.14	-28.00	352 57 58.45	44.118	- 6.8	55.9	5 9 . .	. .		. .
37	α Orionis	11	50 4.71	- 0.12	-28.06	31 28 0.25	43.208	+ 33.9	57.2	5 49 . .	. .		. .
38	γ Geminorum	9	32 14.95	- 0.10	-28.07	22 22 2.52	43.902	+ 22.8	57.4	6 31 . .	. .		. .
39	α Canis Majoris . . .	11	41 5.44	- 0.17	-28.10	55 24 0.88	46.632	+ 1 20.1	56.7	6 40 . .	. .		. .
40	α Ursæ Minoris s. p. .	5	20 55.82	+ 1.69	-26.30	307 38 0.02	45.147	- 1 13.0	[56.6]	1 20 . .	. .		. .
41	η Bootis	11	50 18.26	- 0.23	-28.13	19 56 1.70	46.051	+ 20.5	56.8	13 49 . .	. .		. .
42	Uranus C, C.	11	39 14.88	- 0.31	-28.18	58 6 1.65	42.830	+ 1 31.1	56.4	15 38 46.39	. .	- 19 15 32.2	. .
43	Saturn I, S.	6	42 48.30	- 0.30	-28.18	56 12 0.60	43.130	+ 1 24.8	56.4	15 42 19.82	+ 0.67	- 17 21 30.7	. .
44	Saturn II, N.	5	42 49.64	- 0.30	-28.18	56 12 0.60	42.238	+ 1 24.7	56.4	15 42 21.16	- 0.67	- 17 21 13.4	. .
45	δ Scorpii	11	54 46.60	- 0.32	-28.21	61 10 2.58	43.529	+ 1 43.0	57.0	15 54 . .	. .		. .
46	β^2 Scorpii	11	59 58.84	- 0.31	-28.22	58 22 1.68	43.148	+ 1 32.1	57.1	15 59 . .	. .		. .
47	δ Ophiuchi	11	9 28.56	- 0.27	-28.17	42 16 2.20	46.227	+ 51.8	56.3	16 9 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
17 1 1	30.072	64.8	64.1	2.	Bisections at B ₁ , B ₂ .	5	+ 11.5	- 25.1	. .	- 13.6
1 31	30.078	67.1	65.2	5, 28.	Z. D. thread A used.	7	+ 2.9	+15 49.1	. .	+15 52.0
2 4	30.086	68.8	66.8	7, 33, 36, 38.	Bisections at I, II.	8	+ 2.8	-15 49.1	. .	-15 46.3
3 44	30.074	71.0	69.9	8, 10, 32, 34.	Bisections at VI, VII.	14	+ 0.4	. .	. .	+ 0.4
4 30	30.058	72.5	71.3	15, 44.	Bisections at I, VII.	15	+ 0.8	- 8.5	. .	- 7.7
5 20	30.070	73.0	71.4	16, 43.	Bisections at II, VI.	16	+ 0.8	+ 8.6	. .	+ 9.4
15 39	30.004	64.5	64.4	25.	Bisections at B ₁ , B ₂ , C ₁ .	28	+54 40.2	+16 22.8	. .	+71 3.0
17 2	30.002	64.0	63.4	28.	Bisections at II, III, IV, V, VI.	31	+ 11.4	- 24.7	. .	- 13.3
17 42	30.066	63.4	62.4	37, 46, 47.	Bisections at II, VI, VII.	33	+ 2.8	-15 49.6	. .	-15 46.8
18 16	30.010	62.8	61.2	40.	Bisections at C ₃ , C ₄ , C ₅ , C ₆ , C ₇ .	34	+ 2.8	+15 49.7	. .	+15 52.5
18 49	30.014	62.6	61.5			42	+ 0.4	. .	. .	+ 0.4
1 4	30.112	70.4	69.9			43	+ 0.8	+ 8.7	. .	+ 9.5
2 7	30.120	73.6	71.7			44	+ 0.8	- 8.6	. .	- 7.8
3 48	30.106	76.0	75.3							
4 37	30.103	77.4	77.1							
5 55	30.090	79.4	77.4							
6 44	30.075	79.9	78.2							
13 12	30.036	69.1	68.0							
14 41	30.024	66.8	65.2							
15 47	30.011	64.9	63.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Scorpii	11	23 37.65	- 0.34	-28.15	65 2 2.62	43.914	+ 2 1.8	56.0	16 23 . .	. .		. .
2	σ Sagittarii	11	49 24.84	- 0.34	-28.30	65 14 2.22	47.265	+ 2 3.6	56.4	18 48 . .	. .		. .
3	51 H. Cephei s. p.	5	52 43.15	+ 0.70	[-29.11]	306 5 59.92	43.279	- 1 18.0	[56.5]	6 52 . .	. .		. .
4	d Sagittarii	11	12 8.40	- 0.31	-28.35	57 58 2.32	44.751	+ 1 31.3	55.8	19 11 . .	. .		. .
5	δ Aquilæ	11	20 49.60	- 0.25	-28.27	35 56 3.50	45.276	+ 41.5	56.2	19 20 . .	. .		. .
6	κ Aquilæ	11	31 52.54	- 0.28	-28.33	46 6 3.12	44.008	+ 59.5	56.0	19 31 . .	. .		. .
7	Moon II, N.	11	38 3.77	- 0.34	-28.33	62 30 1.82	43.721	+ 1 49.7	56.4	19 37 35.10	-73.11	23 40 8.2	. .
	May 19, B.												
8	Venus II, N.	11	53 35.45	- 0.11	-28.53	26 56 4.45	47.055	+ 28.4	57.8	1 53 6.81	- 1.65	+ 11 54 7.8	. .
9	α Persei	11	17 27.00	- 0.08	-28.53	349 22 2.02	43.926	- 10.3	56.0	3 16 . .	. .		. .
	May 20, B.												
10	Sun I, S.	11	50 7.51	- 0.10	-28.53	18 57 57.08	47.055	+ 19.0	57.8	3 49 38.88	+67.61	+ 19 52 26.1	. .
11	Sun II, N.	11	52 22.73	- 0.10	-28.53	18 26 0.32	47.970	+ 18.4	57.8	3 51 54.10	-67.61	+ 20 24 2.6	. .
12	α Tauri	11	30 29.88	- 0.10	-28.49	22 32 2.12	47.206	+ 22.8	59.2	4 30 . .	. .		. .
13	α Aurigæ	11	9 34.23	- 0.08	-28.57	352 57 59.85	43.970	- 6.7	55.8	5 9 . .	. .		. .
14	β Tauri	11	20 16.35	- 0.09	-28.55	10 20 0.50	44.442	+ 10.0	58.0	5 19 . .	. .		. .
15	ϵ Orionis	11	31 28.57	- 0.14	-28.57	40 6 1.50	46.794	+ 46.1	58.7	5 30 . .	. .		. .
16	α Orionis	11	50 5.15	- 0.12	-28.50	31 28 1.40	43.302	+ 33.5	59.3	5 49 . .	. .		. .
17	α Ursæ Minoris s. p.	8	20 52.69	+ 7.79	[-28.55]	307 38 0.05	45.192	- 1 11.5	[59.1]	1 20 . .	. .		. .
18	ρ Bootis	11	27 55.44	- 0.19	-28.56	8 1 57.62	45.161	+ 7.9	59.0	14 27 . .	. .		. .
19	ϵ Bootis	11	41 1.26	- 0.19	-28.55	11 20 3.62	47.525	+ 11.2	58.9	14 40 . .	. .		. .
20	α^2 Libræ	11	45 42.98	- 0.17	-28.76	54 26 4.02	48.468	+ 1 17.6	59.0	14 45 . .	. .		. .
21	B. D. + 41°, 2539					357 17 58.48	46.569	- 2.5	59.7	14 52 . .	. .	+ 41 32 54.5	+ 11.6
22	Uranus C, C.	11	39 5.15	- 0.17	-28.74	58 4 1.95	47.622	+ 1 29.0	59.7	15 38 36.24	. .	+ 19 14 59.0	. .
23	Saturn I, S.	6	42 30.47	- 0.17	-28.75	56 10 0.50	46.735	+ 1 22.8	59.7	15 42 1.55	+ 0.75	+ 17 20 34.3	. .
24	Saturn II, N.	5	42 31.96	- 0.17	-28.75	56 10 0.50	45.772	+ 1 22.8	59.7	15 42 3.04	- 0.74	+ 17 20 16.0	. .
25	δ Scorpii	11	54 46.98	- 0.18	-28.71	61 9 56.62	44.175	+ 1 40.6	61.0	15 54 . .	. .		. .
26	β^1 Scorpii	11	59 59.31	- 0.17	-28.82	58 22 2.00	43.420	+ 1 30.0	59.9	15 59 . .	. .		. .
27	δ Ophiuchi	11	9 29.16	- 0.16	-28.87	42 16 3.52	46.350	+ 50.5	59.7	16 9 . .	. .		. .
28	ζ Ophiuchi	11	32 1.66	- 0.17	-28.90	49 12 3.35	44.924	+ 1 4.4	60.3	16 31 . .	. .		. .
29	α^2 Capricorni	11	12 52.50	- 0.17	-29.10	51 42 3.02	44.771	+ 1 10.7	58.7	20 12 . .	. .		. .
30	π Capricorni	11	21 57.49	- 0.17	-28.87	57 22 2.80	47.310	+ 1 27.2	59.3	20 21 . .	. .		. .
31	Moon II, N.	11	36 53.32	- 0.17	-28.93	58 15 56.18	45.018	+ 1 30.2	59.0	20 36 24.22	-69.63	+ 19 26 5.4	. .
32	μ Aquarii	11	47 37.47	- 0.17	-28.81	48 12 . .	. .	. .	. .	20 47 . .	. .		. .
	May 21, Br.												
33	α Canum Venat.	11	51 45.31	- 0.05	-29.48	359 58 1.92	47.975	0.0	59.1	12 51 . .	. .		. .
34	Ursæ Minoris s. p.	11	20 58.62	+ 3.50	[-29.51]	307 38 1.25	45.168	- 1 13.2	58.3	1 20 . .	. .		. .
35	B. D. + 61°, 1381	11	47 16.86	- 0.10	-29.55	337 50 2.48	44.777	- 23.1	58.1	13 46 47.21	- 4.08	+ 61 1 45.2	+ 5.3
36	α Draconis	11	2 10.05	- 0.12	[-29.50]	334 0 2.22	44.205	- 27.7	57.9	14 1 . .	. .		. .
37	α^2 Libræ	11	45 43.71	- 0.08	-29.58	54 26 2.95	48.434	+ 1 20.1	58.3	14 45 . .	. .		. .
38	Uranus C, C.	11	38 55.53	- 0.08	-29.53	58 4 1.48	45.571	+ 1 32.2	57.4	15 38 25.92	. .	+ 19 14 24.7	. .
39	Saturn I, S.	6	42 12.90	- 0.08	-29.53	56 7 59.25	49.785	+ 1 25.7	57.4	15 41 43.29	+ 0.74	+ 17 19 36.8	. .
40	Saturn II, N.	5	42 14.38	- 0.08	-29.53	56 7 59.25	48.932	+ 1 25.7	57.4	15 41 44.77	- 0.74	+ 17 19 20.5	. .
41	δ Scorpii	11	54 47.75	- 0.09	-29.56	61 10 3.12	43.470	+ 1 44.4	57.7	15 54 . .	. .		. .
42	δ Ophiuchi	11	9 29.74	- 0.06	-29.54	42 16 2.98	46.181	+ 52.4	56.5	16 9 . .	. .		. .
43	α Scorpii	11	23 38.90	- 0.10	-29.61	65 2 2.52	43.869	+ 2 3.5	56.6	16 23 . .	. .		. .
44	d Herculis	11	58 20.68	- 0.05	-29.40	5 8 1.88	46.310	+ 5.3	57.3	16 57 . .	. .		. .
45	B. D. + 44°, 2652	11	2 29.30	- 0.05	-29.51	354 51 55.80	53.040	- 5.1	58.1	17 1 59.74	- 3.07	+ 43 56 54.5	+ 14.3
46	B. D. + 39°, 3147	11	27 46.20	- 0.05	-29.51	359 54 0.70	44.948	0.0	58.1	17 27 16.64	- 2.95	+ 38 57 20.3	+ 14.4
47	μ Herculis	11	42 57.95	- 0.05	-29.36	11 4 1.90	46.436	+ 11.4	56.4	17 42 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
15 16 39	30.008	63.2	61.8	2, 10, 44.	Bisections at I, II.	7	+52 16.6	-16 7.5	. .	+36 9.1
18 40	29.981	61.6	59.4		Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	8	+ 11.3	- 24.3	. .	+ 13.0
19 42	29.974	60.2	58.5	3.	Bisections at II, III, IV, V, VI.	10	+ 2.8	+ 15 48.2	. .	+ 15 51.0
1 0	29.932	68.8	68.5	7.	Bisections at VI, VII.	11	+ 2.7	- 15 48.2	. .	- 15 45.5
2 20	29.918	73.2	72.9	11, 20, 27.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	22	+ 0.4	. .	. .	+ 0.4
3 52	29.874	76.9	76.3	17, 34.	Bisections at II, VI, VII.	23	+ 0.8	+ 9.1	. .	+ 9.9
4 35	29.858	79.0	78.6	19, 45.	Bisections at I, VII.	24	+ 0.8	- 9.2	. .	- 8.4
5 25	29.828	79.5	79.1	23, 39.	Bisections at II, VI.	31	+49 16.2	-15 51.2	. .	+33 25.0
5 55	29.800	79.5	79.6	24, 40.	Bisections at III, IV, V.	38	+ 0.4	. .	. .	+ 0.4
13 5	29.680	71.5	70.6	31, 35.		39	+ 0.8	+ 8.1	. .	+ 8.9
14 35	29.654	70.8	69.1			40	+ 0.8	- 8.2	. .	- 7.4
15 15	29.648	70.3	68.9							
16 35	29.628	69.8	68.1							
20 15	29.556	65.8	64.2							
21 9	29.544	64.8	63.2							
12 58	29.636	60.8	58.7							
13 55	29.672	59.5	57.0							
14 39	29.692	56.8	54.3							
15 24	29.702	55.3	52.2							
16 44	29.702	52.5	49.7							
17 50	29.696	50.5	47.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	μ Aquarii	11	47 38.15	- 0.07	-29.56	48 12 2.92	45.892	+ 1 5.1	55.0	20 47 . .	. .		. .
2	Moon II, N.	11	30 25.63	- 0.07	-29.47	53 8 3.28	47.448	+ 1 17.7	55.6	21 29 56.09	-66.49	- 14 18 50.0	. .
3	ε Pegasi	11	39 39.15	- 0.05	-29.46	29 26 3.52	46.660	+ 32.9	56.0	21 39 . .	. .		. .
4	α Aquarii	11	1 1.26	- 0.06	-29.53	39 40 4.10	43.638	+ 48.3	55.9	22 0 . .	. .		. .
	May 21, La.												
5	β Andromedæ	11	4 27.94	+ 0.04	-29.43	3 46 1.08	47.178	+ 3.8	54.7	1 3 . .	. .		. .
6	α Ursæ Minoris	4	20 55.92	+ 6.47	[-29.45]	310 6 0.92	47.790	- 1 7.6	[55.1]	1 20 . .	. .		. .
7	β Arietis	11	49 27.25	- 0.03	-29.49	18 32 3.65	46.695	+ 19.2	55.4	1 48 . .	. .		. .
8	Venus II, N.	11	54 36.56	- 0.06	-29.46	27 16 3.88	43.830	+ 29.5	55.6	1 54 7.04	- 1.60	+ 11 35 6.9	. .
9	α Arietis	10	1 52.20	- 0.02	-29.46	15 52 3.22	46.051	+ 16.3	54.8	2 1 . .	. .		. .
10	α Ceti	11	57 23.95	- 0.09	-29.48	35 10 3.68	42.791	+ 40.0	55.9	2 56 . .	. .		. .
	May 22, La.												
11	Sun I, N.	11	58 9.52	- 0.02	-29.54	18 2 1.58	48.265	+ 18.5	55.6	3 57 39.96	+67.82	+ 20 47 56.7	. .
12	Sun II, S.	11	0 25.15	- 0.02	-29.54	18 33 59.78	47.175	+ 19.0	55.6	3 59 55.59	-67.81	+ 20 16 15.5	. .
13	β Orionis	10	10 5.50	- 0.14	-29.59	47 10 2.25	43.249	+ 1 0.6	56.2	5 9 . .	. .		. .
14	β Tauri	11	20 17.24	+ 0.01	-29.53	10 20 1.92	44.234	+ 10.3	55.6	5 19 . .	. .		. .
15	ε Orionis	9	31 29.67	- 0.11	-29.70	40 6 2.00	46.564	+ 47.3	56.2	5 30 . .	. .		. .
16	α Orionis	11	50 6.18	- 0.08	-29.56	31 28 2.30	43.016	+ 34.4	55.7	5 49 . .	. .		. .
17	α Ursæ Minoris s. p.	5	21 6.80	- 0.13	[-29.90]	307 38 0.90	45.164	- 1 13.3	[56.8]	1 20 . .	. .		. .
18	η Bootis	11	50 19.75	- 0.01	-29.85	19 55 58.40	46.148	+ 20.7	56.0	13 49 . .	. .		. .
19	β Libræ	11	12 1.15	- 0.09	-29.94	47 50 3.12	47.079	+ 1 3.2	56.5	15 11 . .	. .		. .
20	Uranus C, C.	11	38 45.71	- 0.12	-29.97	58 4 3.35	43.715	+ 1 31.7	56.8	15 38 15.62	. .	- 19 13 51.1	. .
21	Saturn I, S.	5	41 55.48	- 0.11	-29.97	56 7 56.80	47.005	+ 1 25.3	56.8	15 41 25.40	+ 0.60	- 17 18 41.2	. .
22	Saturn II, N.	6	41 56.68	- 0.11	-29.97	56 7 56.80	46.042	+ 1 25.2	56.8	15 41 26.60	- 0.60	- 17 18 22.8	. .
23	δ Scorpii	11	54 48.31	- 0.13	-30.07	61 10 3.25	43.429	+ 1 43.8	56.5	15 54 . .	. .		. .
24	β Scorpii	11	0 0.48	- 0.12	-30.01	58 22 1.80	43.192	+ 1 32.8	58.1	15 59 . .	. .		. .
25	δ Ophiuchi	11	9 30.20	- 0.07	-29.98	42 16 2.92	46.210	+ 52.1	56.8	16 9 . .	. .		. .
26	α Aquarii	11	1 1.82	- 0.06	-30.05	39 40 6.15	43.541	+ 47.5	55.4	22 0 . .	. .		. .
27	Moon II, N.	11	19 46.39	- 0.09	-30.06	47 32 7.10	46.400	+ 1 2.4	55.7	22 19 16.24	-64.09	- 8 42 18.3	. .
28	η Aquarii	11	30 35.85	- 0.06	-30.07	39 30 3.92	42.649	+ 47.0	55.5	22 30 . .	. .		. .
29	ε Pegasi	11	36 51.32	- 0.03	-30.07	28 34 4.22	42.025	+ 31.0	55.6	22 36 . .	. .		. .
30	λ Aquarii	11	47 46.52	- 0.08	-30.07	46 58 3.90	44.166	+ 1 0.9	56.3	22 47 . .	. .		. .
	May 23, Br.												
31	α Persei					349 22 0.50	44.165	- 10.4	57.1	3 16 . .	. .		. .
	May 24, Br.												
32	Sun I, N.	11	6 14.25	- 0.23	-30.79	17 40 2.45	47.078	+ 17.7	58.0	4 5 43.23	+67.89	+ 21 10 21.8	. .
33	Sun II, S.	11	8 30.02	- 0.23	-30.79	18 12 4.18	45.532	+ 18.2	58.0	4 7 59.00	-67.88	+ 20 38 45.9	. .
34	α Aurigæ	8	9 36.66	- 0.23	-30.82	352 57 59.68	44.068	- 6.7	58.3	5 9 . .	. .		. .
35	β Tauri					10 19 59.92	44.565	+ 10.1	58.4	5 19 . .	. .		. .
36	λ Geminorum	9	32 17.78	- 0.23	-30.78	22 22 1.18	44.030	+ 22.6	58.2	6 31 . .	. .		. .
37	α Canis Majoris	9	41 8.33	- 0.28	-30.91	55 24 0.82	46.625	+ 1 19.4	57.7	6 40 . .	. .		. .
38	α Canis Minoris	11	34 26.90	- 0.24	-30.84	33 20 0.75	49.472	+ 36.1	58.6	7 33 . .	. .		. .
39	ε Pegasi	11	36 52.60	- 0.20	-31.12	28 34 2.75	42.058	+ 31.3	56.9	22 36 . .	. .		. .
40	ι Cephei	11	46 32.35	+ 0.14	[-31.41]	333 12 1.65	46.257	- 28.9	[56.4]	22 46 . .	. .		. .
41	α Pegasi	11	0 10.76	- 0.18	-31.18	24 12 3.00	44.169	+ 25.8	57.1	22 59 . .	. .		. .
42	θ Piscium	11	23 17.57	- 0.21	-31.20	33 2 2.55	44.230	+ 37.3	56.9	23 22 . .	. .		. .
43	Moon II, N.	11	51 16.42	- 0.22	-31.17	35 58 3.28	48.148	+ 41.5	57.1	23 50 45.03	-61.88	2 51 34.3	. .
44	γ Pegasi	10	8 28.49	- 0.18	-31.14	24 14 3.40	45.318	+ 25.7	57.5	0 7 . .	. .		. .
	May 24, K.												
45	α Ursæ Minoris	5	21 3.76	+ 2.45	[-31.23]	310 6 0.08	47.873	- 1 7.0	[56.6]	1 20 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.		
d	h	m	in.	°	°				' "	' "	"	' "		
21	20	30	29.730	50.0	46.8	2, 40, 43.	Bisections at III, IV, V.	2	+45 34.1	-15 35.3	.	+29 58.8		
22	6		29.768	49.5	46.3			8	+ 11.1	- 23.5	.	12.4		
1	4		29.802	57.2	56.1	6.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	11	+ 2.7	-15 50.5	.	-15 47.8		
1	54		29.800	60.7	57.5			12	+ 2.8	+15 50.6	.	+15 53.4		
22	3	3	29.806	62.6	60.3	11, 31, 32, 35.	Bisections at I, II.	20	+ 0.4	.	.	+ 0.4		
22	4	0	29.792	64.0	62.8			21	+ 0.8	+ 9.2	.	+ 10.0		
5	10		29.776	66.0	64.7	12, 33, 34, 38, 39.	Bisections at VI, VII.	22	+ 0.8	- 9.2	.	- 8.4		
5	49		29.772	66.9	65.1			27	+41 21.1	-15 20.9	.	+26 0.2		
13	31		29.780	66.7	59.1	21.	Bisections at C ₂ , C ₁ , B ₃ , B ₂ .	32	+ 2.6	-15 47.9	.	-15 45.3		
14	1		29.784	69.7	58.0			33	+ 2.7	+15 47.9	.	+15 50.6		
15	12		29.788	58.8	56.5	22.	Bisections at I, VII.	43	+32 6.7	-14 58.9	.	+17 7.8		
16	5		29.782	57.4	55.2									
22	1		29.766	55.2	55.8	36.	Bisections at II, III, IV, V, VI.							
22	58		29.770	58.0	59.3									
23	2	47	29.724	70.5	68.8	37.	Bisection at I.							
24	4	8	29.714	72.6	72.3									
4	58		29.708	74.5	73.6	45.	Bisections at B ₁ , B ₃ , C ₁ , C ₂ , C ₃ .							
5	44		29.700	75.5	74.7									
6	22		29.686	76.5	75.8									
6	54		29.684	77.5	76.2									
7	44		29.664	79.2	75.1									
22	51		29.770	56.5	54.3									
23	16		29.778	57.5	55.3									
23	42		.	.	56.2									
0	16		29.792	59.5	58.1									
1	16		29.810	61.5	60.5									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI. CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus II, N.	11	57 7.67	- 0.10	- 31.23	27 36 2.45	34.671	+	29.7	57.3	1 56 36.34	- 1.53	+ 11 14 50.3
2	α Arietis	11	1 54.10	- 0.08	- 31.23	15 52 2.10	46.224	+	16.2	57.0	2 1 . . .		
3	α Persei	7	17 29.70	0.00	[- 31.20]	349 22 2.95	43.918	-	10.6	57.2	3 16 . . .		
May 25, K.													
4	Sun I, N.	11	10 16.95	- 0.08	- 31.27	17 30 2.65	44.968	+	17.9	57.3	4 9 45.60	+ 67.98	+ 21 21 1.1
5	Sun S.					18 1 58.78	43.670	+	18.4	57.3			+ 20 49 26.1
6	α Canis Majoris	11	41 8.75	- 0.19	- 31.41	55 24 3.02	46.444	+	21.9	57.9	6 40 . . .		
7	α Geminorum	11	28 34.48	- 0.05	- 31.28	6 44 2.68	45.688	+	6.7	57.5	7 28 . . .		
8	α Canis Minoris	11	34 27.25	0.12	31.32	33 20 1.02	49.396	+	37.3	57.2	7 33 . . .		
9	β Geminorum	11	39 33.67	- 0.06	31.34	10 33 59.80	46.851	+	10.6	57.1	7 39 . . .		
10	α Ursæ Minoris S. P.	5	21 10.62	- 3.62	[- 31.63]	307 38 0.95	45.182	-	14.5	57.8	1 20 . . .		
11	ζ Virginis	11	30 1.22	0.00	- 31.64	38 54 2.55	47.991	+	46.7	57.7	13 29 . . .		
12	B. D. + 61°, 1381	11	47 18.72	+ 0.20	- 31.63	337 50 0.65	44.721	-	23.5	57.7	13 46 47.29	- 4.00	+ 61 1 47.2 + 4.3
13	α Draconis	11	2 11.75	+ 0.23	[- 31.63]	333 59 59.35	44.301	-	28.1	57.6	14 1 . . .		
14	β Libræ	11	12 2.80	- 0.02	- 31.64	47 50 2.40	47.061	+	4.1	56.4	15 11 . . .		
15	Uranus C, C.	11	38 16.82	- 0.06	- 31.70	58 2 2.08	44.614	+	32.9	56.7	15 37 45.06		- 19 12 8.4
16	Saturn I, N.	5	41 2.74	- 0.05	- 31.70	56 4 1.05	39.335	+	26.3	56.7	15 40 30.99	0.67	- 17 15 34.6
17	Saturn II, S.	6	41 4.07	- 0.05	- 31.70	56 4 1.05	40.332	+	26.3	56.7	15 40 32.32	0.66	- 17 15 53.9
18	ε Serpentis	11	46 15.81	+ 0.01	- 31.69	34 2 1.10	50.026	+	39.3	56.2	15 45 . . .		
19	δ Scorpil	11	54 49.95	- 0.07	- 31.74	61 10 2.25	43.406	+	45.3	56.4	15 54 . . .		
20	β Scorpil	11	0 2.23	- 0.06	- 31.79	58 22 1.18	43.099	+	34.1	57.0	15 59 . . .		
21	γ Cephei	11	35 36.35	+ 0.65	[- 31.53]	321 48 1.48	47.210	-	45.5	[56.0]	23 35 . . .		
22	α Andromedæ	11	3 36.52	+ 0.06	- 31.65	10 20 3.55	44.151	+	10.6	55.3	0 3 . . .		
23	γ Pegasi	11	8 28.86	0.00	- 31.67	24 14 2.92	45.229	+	26.1	55.8	0 7 . . .		
24	Moon II, N.	11	35 57.65	- 0.02	- 31.67	30 26 3.72	35.672	+	34.0	55.5	0 35 25.96	- 62.00	+ 8 24 23.8
25	β Ceti	11	38 58.31	- 0.13	- 31.69	57 24 3.32	40.590	+	30.1	55.4	0 38 . . .		
May 25, S.													
26	β Andromedæ	11	4 30.23	+ 0.02	- 31.58	3 46 1.80	47.156	+	3.9	55.2	1 3 . . .		
27	α Ursæ Minoris	8	21 3.05	+ 4.37	[- 31.66]	310 6 0.42	47.895	-	8.0	[55.4]	1 20 . . .		
28	Venus II, N.	11	58 12.76	- 0.06	- 31.67	27 40 2.22	46.786	+	30.2	55.6	1 57 41.03	- 1.50	+ 11 10 11.2
29	α Arietis	11	1 54.56	- 0.02	- 31.73	15 52 1.65	46.116	+	16.4	54.8	2 1 . . .		
May 26, S.													
30	Sun I, S.	6	14 20.45	- 0.03	- 31.72	17 50 6.62	48.618	+	18.5	55.6	4 13 48.70	+ 68.04	+ 20 59 44.9
31	Sun II, N.	11	16 36.53	- 0.03	- 31.72	17 17 58.25	50.165	+	17.9	55.6	4 16 4.78	- 68.04	+ 21 31 20.9
32	α Aurigæ	8	9 37.30	+ 0.06	- 31.74	352 58 1.28	43.938	-	7.0	56.9	5 9 . . .		
33	α Virginis	11	20 21.04	- 0.10	- 32.08	49 28 3.22	44.732	+	7.2	56.5	13 19 . . .		
34	α Ursæ Minoris S. P.	5	21 11.04	- 2.74	[- 32.13]	307 38 0.52	45.147	-	14.1	[55.3]	1 20 . . .		
35	β Libræ	11	12 3.40	- 0.10	- 32.16	47 50 3.12	46.957	+	3.6	55.3	15 11 . . .		
36	Uranus C, C.	11	38 7.18	0.13	- 32.18	58 2 2.15	42.929	+	32.2	55.7	15 37 34.87		- 19 11 36.4
37	Saturn I, S.	5	40 45.38	- 0.12	- 32.18	56 3 58.50	47.748	+	25.6	55.7	15 40 13.08	+ 0.67	- 17 14 58.7
38	Saturn II, N.	6	40 46.72	- 0.12	- 32.18	56 3 58.50	46.850	+	25.6	55.7	15 40 14.42	- 0.67	- 17 14 41.3
39	δ Scorpil	11	54 50.51	- 0.14	- 32.22	61 10 3.02	43.338	+	44.6	55.2	15 54 . . .		
40	β Scorpil	11	0 2.76	- 0.13	- 32.24	58 22 1.68	43.042	+	33.5	55.8	15 59 . . .		
41	α Scorpil	11	23 41.57	- 0.16	- 32.15	65 2 3.85	43.756	+	3.7	55.8	16 23 . . .		
May 26, Ia.													
42	β Andromedæ	11	4 30.89	- 0.04	- 32.14	3 46 2.52	47.090	+	3.8	54.6	1 3 . . .		
43	Venus II, N.	11	59 25.11	- 0.10	- 32.21	27 44 2.22	45.459	+	30.1	54.8	1 58 52.80	- 1.48	+ 11 6 35.9
44	α Arietis	9	1 55.18	- 0.07	- 32.27	15 52 0.62	46.150	+	16.3	54.8	2 1 . . .		
May 27, Ia.													
45	Sun I, S.	11	18 24.40	- 0.07	- 32.26	17 42 3.22	42.585	+	18.1	54.8	4 17 52.07	+ 68.15	+ 21 9 43.5

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
24 2 4	29.830	63.2	61.2	1, 16, 17, 24.	Z. D. thread A used.	1	+	10.7	- 22.3	- 11.6
25 3 16	29.848	64.2	62.3	3, 5, 31, 32.	Bisections at VI, VII.	4	+	2.6	- 15 47.5	- 15 44.9
4 12	29.851	65.0	63.2	4, 30, 33, 45.	Bisections at I, II.	5	+	2.7	+ 15 47.4	+ 15 50.1
6 41	29.856	65.9	63.2	10, 27.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	15	+	0.4		+ 0.4
7 39	29.852	65.7	63.0	16, 38.	Bisections at I, VII.	16	+	0.8	- 9.6	- 8.8
13 21	29.922	56.3	53.4	17, 37.	Bisections at II, VI.	17	+	0.8	+ 9.7	+ 10.5
14 2	29.924	55.0	53.0	21.	Bisections at III, IV, V.	24	+	27 26.8	- 14 51.7	+ 12 35.1
15 12	29.930	53.8	51.4	24.	Bisections at II, III, IV, V, VI.	28	+	10.5	- 22.0	- 11.5
16 0	29.926	52.8	50.8	34.	Bisections at D ₃ , D ₂ , D ₁ .	30	+	2.7	+ 15 48.0	+ 15 50.7
23 40	29.970	53.0	52.1	35, 44.	Bisections at II, VI, VII.	31	+	2.6	- 15 47.9	- 15 45.3
0 0	29.976	54.1	53.2			36	+	0.4		+ 0.4
0 26	29.976	55.0	54.2			37	+	0.8	+ 8.7	+ 9.5
1 9	29.981	56.8	55.9			38	+	0.8	- 8.7	- 7.9
2 8	30.002	59.2	57.2			43	+	10.4	- 21.6	- 11.2
4 16	29.998	61.9	60.0			45	+	2.6	+ 15 48.5	+ 15 51.1
5 14	29.976	61.8	60.3							
13 4	29.948	57.7	56.8							
14 43	29.944	57.1	56.3							
15 49	29.946	56.0	54.8							
16 35	29.936	54.2	52.7							
1 4	29.950	56.4	56.3							
2 1	29.940	61.9	59.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun II, N.	11	20 40.70	- 0.07	-32.27	17 10 1.28	43.755	+ 17.5	54.8	4 20 8.36	-68.14	+ 21 41 20.4	.
2	α Aurigæ	11	9 37.87	0.00	[-32.24]	352 58 1.92	43.844	+ 6.9	54.3	5 9 . . .	.	.	.
3	β Tauri	11	20 20.06	- 0.06	-32.26	10 20 2.52	44.170	+ 10.3	54.2	5 19 . . .	.	.	.
4	α Orionis	11	50 8.92	- 0.11	-32.26	31 28 3.00	42.965	+ 34.5	55.8	5 49 . . .	.	.	.
5	α Canis Majoris	11	41 9.71	- 0.19	-32.38	55 24 1.92	46.369	+ 1 21.5	55.3	6 40 . . .	.	.	.
6	α Ursæ Minoris S. P.	5	21 12.16	- 2.76	[-32.36]	307 38 1.98	44.939	- 1 13.2	55.9	1 20 . . .	.	.	.
7	η Ursæ Majoris	11	44 4.66	- 0.02	[-32.21]	349 2 2.45	44.668	- 10.9	54.9	13 43 . . .	.	.	.
8	B. D. + 61°, 1381	11	47 19.56	+ 0.04	-32.40	337 50 1.65	44.571	+ 23.0	55.3	13 46 47.20	- 3.95	+ 61 1 46.8	+ 4.8
9	α Draconis	11	2 12.76	+ 0.06	[-32.52]	334 0 2.28	44.026	+ 27.6	55.4	14 1 . . .	.	.	.
10	B. D. + 37°, 2545	11	29 43.42	- 0.06	-32.41	1 26 1.40	46.776	+ 1.5	55.5	14 29 10.95	- 3.26	+ 37 24 40.4	+ 9.8
11	ε Bootis	11	41 4.97	- 0.09	-32.37	11 20 3.62	47.305	+ 11.5	55.9	14 40 . . .	.	.	.
12	B. D. + 41°, 2539	11	52 42.61	- 0.04	-32.41	357 18 2.85	46.059	- 2.6	55.3	14 52 10.16	- 3.33	+ 41 32 56.6	+ 9.8
13	β Bootis	11	58 39.70	- 0.05	-32.35	358 4 2.85	43.816	+ 1.9	54.9	14 58 . . .	.	.	.
14	Uranus C. C.	11	37 57.45	- 0.24	-32.42	58 0 4.60	47.404	+ 1 31.1	55.5	15 37 24.79	.	- 19 11 3.8	.
15	Saturn I, S.	6	40 27.92	- 0.23	-32.42	56 3 58.38	44.972	+ 1 24.6	55.5	15 39 55.27	+ 0.60	- 17 14 4.5	.
16	Saturn II, N.	5	40 29.12	- 0.23	-32.42	56 3 58.38	43.970	+ 1 24.6	55.5	15 39 56.47	- 0.60	- 17 13 46.9	.
17	ε Serpenti	11	46 16.70	- 0.15	-32.40	34 1 58.40	50.178	+ 38.6	56.0	15 45 . . .	.	.	.
18	δ Scorpii	11	54 50.89	- 0.26	-32.47	61 10 2.80	43.432	+ 1 43.4	55.6	15 54 . . .	.	.	.
19	β Scorpii	11	0 3.13	- 0.24	-32.49	58 22 2.12	43.114	+ 1 32.4	56.5	15 59 . . .	.	.	.
20	δ Herculis	11	58 23.81	- 0.07	-32.45	5 8 4.28	45.906	+ 5.2	54.9	16 57 . . .	.	.	.
21	B. D. + 44°, 2652	11	2 32.27	- 0.04	-32.44	354 54 3.62	46.191	- 5.0	55.3	17 1 59.79	- 3.13	+ 43 56 55.7	+ 12.5
22	B. D. + 39°, 3147	11	27 49.22	- 0.05	-32.44	359 54 3.22	44.609	0.0	55.3	17 27 16.73	- 3.03	+ 38 57 21.5	+ 12.6
May 27, K.													
23	α Ursæ Minoris	5	21 6.26	+ 3.70	[-32.47]	310 6 3.58	47.482	- 1 6.5	[54.6]	1 20 . . .	.	.	.
24	β Arietis	11	49 30.48	- 0.07	-32.52	18 32 2.75	46.698	+ 18.9	54.8	1 48 . . .	.	.	.
25	Venus II, N.	11	0 44.11	- 0.10	-32.46	27 46 2.92	37.291	+ 29.6	55.1	2 0 11.55	- 1.45	+ 11 3 57.4	.
26	α Ceti	11	57 27.03	- 0.12	-32.43	35 10 2.60	42.865	+ 39.4	56.5	2 56 . . .	.	.	.
27	α Persei	11	17 30.99	+ 0.02	[-32.43]	349 22 0.88	44.011	- 10.4	55.4	3 16 . . .	.	.	.
May 28, K.													
28	Sun I, S.	11	22 28.65	- 0.07	-32.54	17 32 0.72	44.175	+ 17.6	56.7	4 21 56.04	+68.20	+ 21 19 17.9	.
29	Sun II, N.	11	24 45.05	- 0.07	-32.54	17 0 6.32	45.022	+ 17.0	56.7	4 24 12.44	-68.20	+ 21 50 53.4	.
30	β Orionis	11	10 8.53	- 0.16	-32.57	47 10 1.40	43.411	+ 59.6	58.4	5 9 . . .	.	.	.
31	β Tauri	11	20 20.41	- 0.05	-32.61	10 20 0.65	44.376	+ 10.1	56.6	5 19 . . .	.	.	.
32	δ Orionis	10	27 18.05	- 0.14	-32.57	39 12 2.70	48.054	+ 45.1	56.4	5 26 . . .	.	.	.
33	ε Orionis	11	31 32.55	- 0.14	-32.53	40 6 2.20	46.656	+ 46.6	58.1	5 30 . . .	.	.	.
May 28, I.a.													
34	β Andromedæ	11	4 31.70	- 0.06	-32.87	3 46 1.12	47.188	+ 3.8	56.6	1 3 . . .	.	.	.
35	Venus II, N.	11	- 2 9.75	- 0.15	-32.88	27 48 2.18	46.485	+ 29.8	56.1	2 1 36.72	- 1.43	+ 11 2 17.9	.
36	α Persei	11	17 31.49	0.00	-32.89	349 22 0.18	43.998	- 10.5	55.6	3 16 . . .	.	.	.
May 29, I.a.													
37	Sun I, N.	11	26 33.54	- 0.11	-32.94	16 50 4.80	47.742	+ 17.1	56.1	4 26 0.49	+68.19	+ 22 0 5.3	.
38	Sun II, S.	11	28 49.92	- 0.11	-32.94	17 21 57.58	46.575	+ 17.6	56.1	4 28 16.87	-68.19	+ 21 28 31.2	.
39	α Aurigæ	8	9 38.50	- 0.02	[-32.83]	352 58 1.25	43.990	- 6.9	54.7	5 9 . . .	.	.	.
40	β Tauri	9	20 20.76	- 0.09	-32.91	10 20 5.10	44.131	+ 10.3	56.5	5 19 . . .	.	.	.
41	δ Orionis	7	27 18.54	- 0.19	-33.01	39 12 6.82	47.761	+ 45.8	55.7	5 26 . . .	.	.	.
42	γ Geminorum	11	32 19.85	- 0.13	-32.95	22 22 4.80	43.651	+ 23.1	56.7	6 31 . . .	.	.	.
43	α Canis Majoris	11	41 10.42	- 0.26	-33.03	55 24 4.02	46.328	+ 1 21.2	56.6	6 40 . . .	.	.	.
44	α Ursæ Minoris S. P.	5	21 15.32	- 3.35	[-33.06]	307 38 . . .	.	.	.	1 20 . . .	.	.	.
45	η Ursæ Majoris	11	44 5.45	+ 0.01	[-33.06]	349 2 2.88	44.662	- 11.0	55.5	13 43 . . .	.	.	.
46	B. D. + 61°, 1381	11	47 20.26	+ 0.06	-33.10	337 50 0.08	44.682	- 23.2	55.8	13 46 47.22	- 3.89	+ 61 1 47.0	+ 3.3
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.						No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°							' "	' "	"	' "
27 4 20	29.894	64.7	63.4	1, 29, 34, 36, 38. Bisections at VI, VII.					1	+	2.6	-15 48.4	-15 45.8
5 9	29.870	65.6	64.0	3. Bisections at I, II, VI.					14	+	0.4	.	+ 0.4
5 50	29.862	66.2	64.5	6. Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .					15	+	0.8	+ 8.8	+ 9.6
6 41	29.840	67.1	65.5	7, 28, 37, 39, 45. Bisections at I, II.					16	+	0.8	- 8.8	- 8.0
13 14	29.800	61.2	60.1	8, 9, 46. Bisections at II, III, V, VI.					25	+	10.2	- 21.3	- 11.1
14 48	29.804	59.6	59.9	15. Bisections at II, VI.					28	+	2.6	+15 47.7	+15 50.3
16 0	29.792	58.4	57.5	16. Bisection at VII.					29	+	2.5	-15 47.7	-15 45.2
17 27	29.780	56.6	55.9	23. Bisections at D ₁ , D ₃ .					35	+	10.1	- 20.9	- 10.8
1 26	29.748	63.0	63.4	25. Z. D. thread A used.					37	+	2.5	-15 47.0	-15 44.5
1 49	29.740	65.2	64.2						38	+	2.6	+15 47.0	+15 49.6
2 57	29.728	68.7	67.2										
4 24	29.696	70.5	69.1										
5 10	29.684	72.3	71.2										
5 31	29.680	73.2	71.9										
1 10	29.592	61.4	59.3										
1 58	29.610	62.0	59.8										
3 17	29.628	63.8	61.0										
4 28	29.626	65.4	62.2										
5 9	29.632	65.6	62.9										
6 41	29.640	66.6	63.8										
13 30	29.704	57.4	55.8										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.	Clock.							
			m s	s	s	° ' "	rev.	' "	h m s	s	° ' "	"
1	<i>β</i> Bootis	11	22 18.07	+ 0.02	-33.09	346 32 4.62	44.851	- 13.6	56.1	14 21 . . .	. . .	. . .
2	B. D. + 37°, 2545 . . .	11	29 44.05	- 0.04	-33.11	1 26 4.52	46.632	+ 1.5	56.0	14 29 10.90	- 3.24	+ 37 24 40.9 + 9.3
3	<i>ε</i> - Bootis	11	41 5.61	- 0.07	-33.03	11 20 5.25	47.138	+ 11.5	54.7	14 40 . . .	. . .	. . .
4	Uranus C.	11	37 38.06	- 0.23	-33.13	58 0 . . .	. . .	. . .	. . .	15 37 4.70	. . .	. . .
5	Saturn I, S.	5	39 53.08	- 0.22	-33.13	56 1 56.80	45.732	+ 1 25.2	56.0	15 39 19.73	+ 0.73	- 17 12 17.6
6	Saturn II, N.	6	39 54.55	- 0.22	-33.13	56 1 56.80	44.755	+ 1 25.1	56.0	15 39 21.20	- 0.74	- 17 11 58.7
7	<i>ε</i> Serpenti	11	46 17.44	- 0.14	-33.14	34 4 3.90	43.664	+ 38.9	57.1	15 45 . . .	. . .	. . .
8	<i>δ</i> Scorpii	11	54 51.58	- 0.24	-33.16	61 10 4.38	43.365	+ 1 44.1	56.6	15 54 . . .	. . .	. . .
9	<i>β</i> ¹ Scorpii	11	0 3.87	- 0.23	-33.22	58 22 3.15	43.036	+ 1 33.1	56.8	15 59 . . .	. . .	. . .
10	<i>η</i> Herculis	11	39 58.17	- 0.03	-33.08	359 43 58.52	46.275	- 0.2	55.7	16 39 . . .	. . .	. . .
11	<i>δ</i> Herculis	11	58 24.57	- 0.05	-33.20	5 8 3.58	45.941	+ 5.2	55.4	16 57 . . .	. . .	. . .
12	B. D. + 44°, 2652 . . .	11	2 32.95	- 0.02	-33.15	354 53 58.35	46.348	- 5.0	55.8	17 1 59.78	- 3.15	+ 43 56 57.0 + 11.8
May 31, Br.												
13	<i>α</i> Canum Venat.	11	51 50.35	- 0.14	-34.55	359 58 1.70	47.765	- 0.0	56.3	12 51 . . .	. . .	. . .
14	<i>α</i> Virginis	11	20 23.63	- 0.17	-34.62	49 28 3.02	44.804	+ 1 5.5	57.4	13 19 . . .	. . .	. . .
15	<i>α</i> Ursæ Minoris s. p. . .	6	21 12.03	+ 3.41	[-34.61]	307 38 0.72	45.090	- 1 10.7	[57.7]	1 20 . . .	. . .	. . .
16	<i>β</i> Libræ	11	12 5.87	- 0.17	-34.54	47 50 2.60	47.158	+ 1 2.3	57.0	15 11 . . .	. . .	. . .
17	Saturn I, S.	6	39 19.28	- 0.18	-34.61	55 59 57.42	46.495	+ 1 23.7	57.2	15 38 44.49	+ 0.68	- 17 10 30.1
18	Saturn II, N.	5	39 20.64	- 0.18	-34.61	55 59 57.42	45.640	+ 1 23.7	57.2	15 38 45.85	- 0.68	- 17 10 13.8
19	<i>δ</i> Scorpii	11	54 53.01	- 0.20	-34.61	61 10 2.08	43.628	+ 1 42.5	57.6	15 54 . . .	. . .	. . .
20	<i>β</i> ¹ Scorpii	11	0 5.25	- 0.19	-34.62	58 22 2.48	43.202	+ 1 31.6	57.7	15 59 . . .	. . .	. . .
June 1, K.												
21	<i>β</i> Libræ	11	12 6.17	- 0.23	-34.77	47 50 2.98	47.016	+ 1 3.4	55.7	15 11 . . .	. . .	. . .
22	Uranus C, C.	11	37 10.28	- 0.27	-34.85	57 58 3.28	45.002	+ 1 31.8	55.7	15 36 35.16	. . .	- 19 8 16.9
23	<i>α</i> Serpenti	11	39 49.96	- 0.17	-34.85	32 6 3.65	44.622	+ 36.1	55.5	15 39 . . .	. . .	. . .
24	<i>γ</i> Ursæ Minoris	11	48 23.84	+ 0.23	[-34.24]	320 46 1.12	43.405	- 46.8	[56.6]	15 47 . . .	. . .	. . .
25	<i>δ</i> Scorpii	11	54 53.32	- 0.28	-34.83	61 10 3.12	43.354	+ 1 44.3	55.2	15 54 . . .	. . .	. . .
26	<i>β</i> ¹ Scorpii	11	0 5.66	- 0.27	-34.94	58 22 1.40	43.111	+ 1 33.2	56.5	15 59 . . .	. . .	. . .
June 1, S.												
27	<i>β</i> ¹ Ceti	11	19 29.10	- 0.23	-35.12	47 32 2.10	47.628	+ 1 2.5	53.5	1 18 . . .	. . .	. . .
28	<i>α</i> Ursæ Minoris	5	21 12.78	+ 4.61	[-35.17]	310 8 1.12	41.530	- 1 7.5	[55.3]	1 20 . . .	. . .	. . .
29	<i>α</i> Arietis	11	1 58.31	- 0.11	-35.20	15 52 2.15	46.032	+ 16.3	54.0	2 1 . . .	. . .	. . .
30	Venus II, N.	11	8 54.86	- 0.15	-35.17	27 46 3.28	45.750	+ 30.1	54.8	2 8 19.54	- 1.33	+ 11 4 29.3
June 2, S.												
31	Sun I, S.	11	42 57.68	- 0.11	-35.24	16 50 4.40	43.070	+ 17.1	54.8	4 42 22.33	+ 68.43	+ 22 1 34.0
32	Sun II, N.	11	45 14.53	- 0.11	-35.24	16 18 1.98	44.388	+ 16.5	54.8	4 44 39.18	- 68.42	+ 22 33 8.6
33	<i>α</i> Orionis	11	50 11.99	- 0.17	-35.25	31 28 2.75	42.928	+ 34.4	55.2	5 49 . . .	. . .	. . .
34	<i>α</i> ² Geminorum	11	28 38.51	- 0.08	-35.31	6 44 1.50	45.633	+ 6.6	55.3	7 28 . . .	. . .	. . .
35	<i>α</i> Canis Minoris	11	34 31.26	- 0.17	-35.31	33 22 1.72	43.031	+ 36.8	55.8	7 33 . . .	. . .	. . .
36	<i>β</i> Geminorum	11	39 37.63	- 0.09	-35.31	10 34 1.48	46.681	+ 10.5	55.1	7 39 . . .	. . .	. . .
37	<i>α</i> Virginis	11	20 24.63	- 0.23	-35.57	49 28 2.30	44.872	+ 1 6.0	57.1	13 19 . . .	. . .	. . .
38	<i>α</i> Ursæ Minoris s. p. . .	6	21 20.67	- 2.38	[-35.64]	307 38 0.28	45.070	- 1 12.9	[55.9]	1 20 . . .	. . .	. . .
39	<i>β</i> Libræ	11	12 7.15	- 0.22	-35.76	47 50 3.35	47.055	+ 1 2.7	56.3	15 11 . . .	. . .	. . .
40	Uranus C, C.	11	37 1.15	- 0.26	-35.71	57 58 1.90	43.535	+ 1 30.6	56.8	15 36 25.18	. . .	- 19 7 45.1
41	<i>δ</i> Scorpii	11	54 54.19	- 0.28	-35.69	61 10 1.68	43.570	+ 1 42.9	56.5	15 54 . . .	. . .	. . .
42	<i>β</i> ¹ Scorpii	11	0 6.44	- 0.26	-35.72	58 22 1.52	43.195	+ 1 32.0	57.0	15 59 . . .	. . .	. . .
43	<i>α</i> Scorpii	11	23 45.37	- 0.29	-35.73	65 2 1.85	44.048	+ 2 1.5	56.9	16 23 . . .	. . .	. . .
June 3, B.												
44	<i>β</i> Libræ	4	12 7.50	- 0.29	-36.04	47 50 0.55	47.535	+ 1 1.3	60.0	15 11 . . .	. . .	. . .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.		
d	h	m	in.	°	°				' "	' "	"	' "		
29	14	45	29.710	56.4	54.7	1, 2.	Bisections at II, III, V, VI.	5	+	0.8	+	9.4	+	10.2
	15	26	29.714	55.6	53.4	5, 18.	Bisections at II, VI.	6	+	0.8	—	9.5	—	8.7
	16	0	29.720	54.8	52.5	6, 17.	Bisections at I, VII.	17	+	0.8	+	8.1	+	8.9
31	13	1	29.696	67.0	65.7	10, 12, 32.	Bisections at VI, VII.	18	+	0.8	—	8.2	—	7.4
	13	42	29.712	66.0	64.4	15, 28.	Bisections at B ₃ , B ₂ , B ₁ .	22	+	0.4	.	.	+	0.4
	14	55	29.732	65.0	63.0	24.	Bisections at III, IV, V.	30	+	9.4	—	19.6	—	10.2
1	15	28	29.740	63.5	61.4	31, 37, 44.	Bisections at I, II.	31	+	2.5	+15	47.3	+15	49.8
	16	10	29.748	62.5	61.1	34.	Bisections at II, VI, VII.	32	+	2.4	—15	47.2	—15	44.8
	15	12	29.950	59.4	57.1	38.	Bisections at D ₃ , D ₂ , D ₁ .	40	+	0.4	.	.	+	0.4
2	16	0	29.958	58.0	56.0									
	1	30	30.060	60.4	61.2									
	2	15	30.062	63.2	62.2									
3	4	45	30.020	67.8	67.1									
	5	56	30.006	69.6	69.9									
	7	10	29.951	72.2	71.8									
7	45	29.974	72.5	71.9										
	13	16	29.926	66.0	65.0									
	15	18	29.912	63.6	62.2									
16	21	29.893	63.0	61.4										
	15	10	29.736	71.2	70.9									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	"/ "	"	h m s	s	° / "	"
1	Uranus C. C.	11	36 51.99	- 0.32	-36.07	57 56 1.55	48.405	+ 1 28.6	59.6	15 36 15.60	. . .	19 7 13.3	. . .
2	δ Ophiuchi	8	9 36.70	- 0.28	-36.15	42 15 57.95	46.565	+ 50.5	59.5	16 9 . . .	. . .	. . .	. . .
3	α Scorpii	11	23 45.75	- 0.34	-36.05	65 1 59.65	44.454	+ 1 58.8	59.8	16 23 . . .	. . .	. . .	. . .
4	ζ Ophiuchi	11	32 9.12	- 0.30	-36.06	49 11 58.85	45.048	+ 1 4.3	59.0	16 31 . . .	. . .	. . .	. . .
June 5, La.													
5	Sun I, N.	11	55 19.64	- 0.19	-36.71	15 55 58.98	49.020	+ 16.0	56.8	4 54 42.74	+68.56	+ 22 53 48.4	. . .
6	Sun II, S.	11	57 36.76	- 0.19	-36.71	16 27 58.02	47.430	+ 16.5	56.8	4 56 59.86	-68.56	+ 22 22 16.2	. . .
7	α Aurigæ	11	9 42.62	- 0.17	-36.72	352 57 59.68	44.082	- 6.8	56.8	5 9 . . .	. . .	. . .	. . .
8	48 H. Cephei S. P.	10	7 50.50	+ 0.16	[-37.13]	296 14 0.50	46.998	+ 1 53.2	[58.4]	3 7 . . .	. . .	. . .	. . .
9	α Coronæ Borealis	11	31 0.00	- 0.12	-37.04	11 48 3.28	43.632	+ 11.8	57.0	15 30 . . .	. . .	. . .	. . .
10	Saturn I, S.	6	37 56.85	- 0.19	-37.10	55 56 3.22	45.602	+ 1 23.3	57.7	15 37 19.56	+ 0.64	- 17 6 17.9	. . .
11	Saturn II, N.	5	37 58.12	- 0.19	-37.10	55 56 3.22	44.740	+ 1 23.3	57.7	15 37 20.83	- 0.63	- 17 6 1.3	. . .
12	ε Serpenti.	11	46 21.47	- 0.15	-37.12	34 4 5.52	43.615	+ 38.1	57.9	15 45 . . .	. . .	. . .	. . .
13	δ Scorpii	11	54 55.62	- 0.20	-37.18	61 10 6.20	43.442	+ 1 42.1	57.7	15 54 . . .	. . .	. . .	. . .
14	β ¹ Scorpii	11	0 7.85	- 0.20	-37.17	58 22 5.45	43.095	+ 1 31.3	58.4	15 59 . . .	. . .	. . .	. . .
15	δ Ophiuchi	11	9 37.49	- 0.16	-37.04	42 16 3.70	46.189	+ 51.3	57.6	16 9 . . .	. . .	. . .	. . .
June 6, S.													
16	ε Leonis	11	40 39.85	- 0.17	-37.44	14 36 1.20	45.619	+ 14.4	57.6	9 40 . . .	. . .	. . .	. . .
17	μ Leonis	11	47 33.96	- 0.17	-37.45	12 22 1.18	43.846	+ 12.1	58.7	9 46 . . .	. . .	. . .	. . .
18	Moon I, N.	11	3 3.12	- 0.20	-37.43	29 13 57.32	39.830	+ 30.8	57.9	10 2 25.49	+65.40	+ 9 38 31.2	. . .
19	γ ¹ Leonis	11	14 57.32	- 0.17	-37.43	18 30 1.22	42.908	+ 18.4	57.6	10 14 . . .	. . .	. . .	. . .
20	γ H. Draconis	11	27 2.23	- 0.26	[-37.50]	322 38 0.88	42.700	- 41.9	[58.1]	10 26 . . .	. . .	. . .	. . .
21	l Leonis	11	44 30.35	- 0.18	-37.46	27 46 2.15	43.631	+ 29.0	58.1	10 43 . . .	. . .	. . .	. . .
22	δ Leonis	11	9 17.76	- 0.17	-37.37	17 46 0.18	44.564	+ 17.7	57.6	11 8 . . .	. . .	. . .	. . .
June 9, S.													
23	γ Corvi	11	11 11.71	- 0.18	-38.70	55 48 1.18	46.430	+ 1 22.4	55.3	12 10 . . .	. . .	. . .	. . .
24	Moon I, N.	11	35 19.09	- 0.15	-38.68	48 11 56.58	47.445	+ 1 2.8	55.3	12 34 40.26	+68.08	- 9 22 28.6	. . .
25	α Canum Venat.	11	51 54.22	- 0.06	-38.63	359 58 2.18	47.569	0.0	54.2	12 51 . . .	. . .	. . .	. . .
26	α Virginis	8	20 27.67	- 0.16	-38.72	49 27 57.88	44.855	+ 1 5.9	55.6	13 19 . . .	. . .	. . .	. . .
27	α Ursæ Minoris S. P.	3	21 27.60	- 0.38	[-38.66]	307 38 0.05	45.043	- 1 12.7	[55.3]	1 20 . . .	. . .	. . .	. . .
28	α ² Libræ	11	45 53.08	- 0.17	-38.82	54 26 2.58	48.358	+ 1 19.1	55.6	14 45 . . .	. . .	. . .	. . .
29	β ¹ Libræ	11	12 9.96	- 0.15	-38.62	47 50 3.38	46.932	+ 1 2.6	55.6	15 11 . . .	. . .	. . .	. . .
30	Saturn I, S.	6	36 53.08	- 0.18	-38.78	55 54 2.02	41.808	+ 1 23.7	55.3	15 36 14.12	+ 0.73	- 17 3 6.8	. . .
31	Saturn II, N.	5	36 54.54	- 0.18	-38.78	55 54 2.02	40.962	+ 1 23.7	55.3	15 36 15.58	- 0.73	- 17 2 50.4	. . .
32	δ Scorpii	11	54 57.30	- 0.19	-38.81	61 10 2.92	43.422	+ 1 42.9	55.3	15 54 . . .	. . .	. . .	. . .
33	β ² Scorpii	11	0 9.51	- 0.18	-38.82	58 22 2.00	43.104	+ 1 32.0	55.7	15 59 . . .	. . .	. . .	. . .
June 9, K.													
34	α Persei	11	17 37.72	- 0.11	[-38.65]	349 22 1.38	43.982	- 10.5	55.4	3 16 . . .	. . .	. . .	. . .
June 10, K.													
35	Sun N.	11	18 18.73	- 0.16	-38.73	16 1 59.42	45.460	+ 16.2	55.7	5 17 39.84	-68.80	+ 23 20 21.5	. . .
36	Sun II, S.	11	18 18.73	- 0.16	-38.73	16 1 59.42	45.460	+ 16.2	55.7	5 17 39.84	-68.80	+ 23 20 21.5	. . .
37	α Orionis	8	50 15.54	- 0.20	-38.71	31 28 2.18	42.880	+ 34.3	55.7	5 49 . . .	. . .	. . .	. . .
38	α Canis Minoris	11	34 34.78	- 0.20	-38.82	33 22 2.85	42.955	+ 36.8	56.0	7 33 . . .	. . .	. . .	. . .
39	α Virginis	9	20 27.83	- 0.26	-38.79	49 28 3.20	44.652	+ 1 5.5	56.4	13 19 . . .	. . .	. . .	. . .
40	α Ursæ Minoris S. P.	5	21 29.50	- 1.07	[-38.85]	307 38 1.32	44.890	- 1 12.3	[57.0]	1 20 . . .	. . .	. . .	. . .
41	Moon I, N.	11	31 2.35	- 0.29	-38.91	54 22 3.30	47.410	+ 1 18.2	56.3	13 30 23.15	+70.69	- 15 32 49.1	. . .
42	B. D. +61° 1381.	11	47 25.71	- 0.08	-38.92	337 50 3.55	44.289	- 22.8	56.3	13 46 46.71	- 3.59	+ 61 1 50.5	+ 1.0
43	α Bootis	11	11 39.89	- 0.18	-38.92	19 8 2.68	44.979	+ 19.6	55.3	14 11 . . .	. . .	. . .	. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						"/ "	"/ "	"	"/ "	"/ "
3 15 40	29.732	71.0	70.1	2, 6, 7, 29, 34, 36, 37, 39.				1	+	0.4	. . .	+	0.4
4 2 14	29.742	70.8	69.9	5, 35.				5	+	2.4	-15 46.0	-	15 43.6
5 4 57	29.750	70.8	69.1	10.				6	+	2.5	+15 46.1	+	15 48.6
15 13	29.750	65.6	64.0	10, 30.				10	+	0.8	+ 8.3	+	9.1
16 9	29.784	64.6	63.2	11, 31.				11	+	0.8	- 8.3	-	7.5
6 9 54	29.846	75.8	77.1	18, 20, 24, 41.				18	+27	41.6	-15 34.3	-	12 7.3
11 4	29.849	74.5	76.1	26.				24	+44	9.6	-16 12.9	-	27 56.7
9 11 58	29.808	68.8	67.1	27.				30	+	0.8	+ 8.2	+	9.0
14 8	29.828	64.2	62.8	32.				31	+	0.8	- 8.2	-	7.4
14 50	29.830	63.3	62.2	40.				35	+	2.3	-15 44.8	-	15 42.5
16 6	29.830	61.2	60.1					36	+	2.4	+15 44.8	+	15 47.2
3 17	29.864	67.4	65.2					41	+48	44.6	-16 24.6	-	32 20.0
10 5 50	29.850	68.5	67.0										
5 50	29.848	69.6	68.3										
7 34	29.828	71.0	69.6										
13 25	29.840	68.6	67.0										
14 11	29.850	67.5	65.4										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	B. D. + 37°, 2545.	11	29 49.98	- 0.14	-38.93	1 26 2.60	46.490	+ 1.5	56.3	14 29 10.91	- 3.16	+ 37 24 45.5	+ 6.8
2	ε Bootis	11	41 11.56	- 0.16	-38.93	11 20 2.90	47.191	+ 11.4	55.6	14 40 . . .	. . .	. . .	. . .
3	α ^a Libræ	11	45 53.32	- 0.28	-38.95	54 26 4.70	48.260	+ 1 18.8	57.1	14 45 . . .	. . .	. . .	. . .
4	B. D. + 41°, 2539.	11	52 49.12	- 0.13	-38.94	357 18 1.42	46.008	- 2.6	56.3	14 52 10.05	- 3.24	+ 41 33 0.0	+ 6.5
5	β Libræ	10	12 10.47	- 0.26	-39.02	47 50 2.90	47.080	+ 1 2.3	56.3	15 11 . . .	. . .	. . .	. . .
6	Uranus C. C. . . .	11	35 49.36	- 0.29	-38.96	57 54 3.50	42.990	+ 1 29.8	56.3	15 35 10.11	. . .	- 19 3 36.0	. . .
7	α Serpentes	11	39 54.20	- 0.21	-39.02	32 6 4.00	44.631	+ 35.4	56.5	15 39 . . .	. . .	. . .	. . .
8	ε Serpentes	11	46 23.36	- 0.21	-38.94	34 4 3.12	43.648	+ 38.2	56.8	15 45 . . .	. . .	. . .	. . .
June 10, B.													
9	α Arietis	8	1 59.16	- 0.25	-35.66	15 52 1.78	46.122	+ 16.0	55.9	2 1 . . .	. . .	. . .	. . .
10	Venus II, N. . . .	11	29 9.65	- 0.26	-35.73	26 58 2.72	46.302	+ 28.6	57.0	2 28 33.66	- 1.16	+ 11 52 22.9	. . .
11	β Ursæ Minoris s. p.	11	51 40.71	+ 0.13	[-35.77]	293 28 0.40	44.952	- 2 7.5	[56.3]	14 51 . . .	. . .	. . .	. . .
12	α Ceti	11	57 30.81	- 0.28	-35.75	35 10 3.62	42.708	+ 39.4	57.1	2 56 . . .	. . .	. . .	. . .
13	η Tauri	11	41 58.82	- 0.25	-35.85	15 4 1.52	44.108	+ 15.1	56.4	3 41 . . .	. . .	. . .	. . .
14	α Tauri	11	30 37.65	- 0.25	-35.83	22 32 2.28	47.084	+ 23.1	58.4	4 30 . . .	. . .	. . .	. . .
June 11, B.													
15	Sun I.	11	20 6.72	- 0.25	-35.88	. . .	. . .	. . .	. . .	5 19 30.59	+68.91	. . .	. . .
16	Sun II, S.	11	22 24.54	- 0.25	-35.88	15 57 57.60	45.332	+ 15.9	57.0	5 21 48.41	-68.91	+ 22 52 57.7	. . .
17	ε Orionis	10	31 36.14	- 0.28	-35.87	40 5 59.75	46.611	+ 46.7	56.7	5 30 . . .	. . .	. . .	. . .
18	α Orionis	11	50 12.83	- 0.27	-35.92	31 27 59.18	43.229	+ 33.9	57.7	5 49 . . .	. . .	. . .	. . .
19	α Ursæ Minoris s. p.	6	21 21.53	+ 4.88	[-35.78]	307 37 55.92	45.072	- 1 11.6	55.8	1 20 . . .	. . .	. . .	. . .
20	B. D. + 61°, 1381.	11	47 22.82	- 0.33	-35.74	337 50 2.42	44.354	- 22.5	55.8	13 46 46.75	- 3.56	+ 61 1 49.6	+ 0.8
21	η Bootis	8	50 25.81	- 0.27	-35.75	19 56 . . .	. . .	. . .	. . .	13 49 . . .	. . .	. . .	. . .
22	α Draconis	11	2 16.02	- 0.36	[-35.81]	334 0 1.02	43.950	- 27.0	55.8	14 1 . . .	. . .	. . .	. . .
23	α Bootis	10	11 36.73	- 0.27	-35.67	19 8 3.40	45.068	+ 19.3	57.2	14 11 . . .	. . .	. . .	. . .
24	Moon I, N.	11	31 17.55	- 0.36	-35.72	59 46 1.08	43.647	+ 1 35.2	57.5	14 30 41.47	+73.73	- 20 55 50.5	. . .
25	α ^a Libræ	11	45 50.18	- 0.33	-35.76	54 25 57.58	48.770	+ 1 17.8	57.9	14 45 . . .	. . .	. . .	. . .
26	B. D. + 41°, 2539.	11	52 45.95	- 0.27	-35.71	357 18 0.70	46.027	- 2.5	55.8	14 52 9.97	- 3.22	+ 41 32 59.2	+ 6.2
27	β Bootis	11	58 42.99	- 0.27	[-35.51]	358 4 . . .	. . .	. . .	. . .	14 58 . . .	. . .	. . .	. . .
28	Saturn I, S.	5	36 18.64	- 0.33	-35.70	55 52 1.32	43.702	+ 1 22.1	57.5	15 35 42.61	+ 0.75	- 17 1 38.5	. . .
29	Saturn II, N. . . .	6	36 20.13	- 0.33	-35.70	55 52 1.32	42.718	+ 1 22.1	57.5	15 35 44.10	- 0.74	- 17 1 19.7	. . .
30	α Serpentes	11	39 50.95	- 0.28	-35.70	32 5 59.70	44.890	+ 35.0	57.4	15 39 . . .	. . .	. . .	. . .
31	β ^a Scorpii	11	0 6.63	- 0.34	-35.77	58 22 2.18	43.319	+ 1 30.3	58.3	15 59 . . .	. . .	. . .	. . .
32	δ Ophiuchi	7	9 36.34	- 0.30	-35.72	42 16 4.02	46.197	+ 50.7	57.6	16 9 . . .	. . .	. . .	. . .
33	δ Herculis	11	58 27.38	- 0.27	-35.69	5 8 3.62	45.862	+ 5.1	57.5	16 57 . . .	. . .	. . .	. . .
34	B. D. + 44°, 2652.	11	2 35.87	- 0.28	-35.66	354 54 4.15	46.032	- 4.9	55.8	17 1 59.93	- 3.24	+ 43 56 58.6	+ 7.8
35	B. D. + 39°, 3147.	11	27 52.82	- 0.27	-35.65	359 54 3.18	44.460	0.0	55.8	17 27 16.90	- 3.19	+ 38 57 24.4	+ 8.1
36	μ Herculis	10	43 4.62	- 0.26	-35.51	11 4 3.85	46.078	+ 11.0	56.6	17 42 . . .	. . .	. . .	. . .
June 12, Ia.													
37	Sun I.	11	24 15.40	- 0.27	-35.46	15 38 . . .	. . .	. . .	. . .	5 23 39.67	+68.72	. . .	. . .
38	Sun II	4	26 32.83	- 0.27	-35.46	. . .	. . .	. . .	. . .	5 25 57.10	-68.71	. . .	. . .
39	α ^a Geminorum	8	28 38.73	- 0.27	-35.35	6 44 . . .	. . .	. . .	. . .	7 28 . . .	. . .	. . .	. . .
40	α Canis Minoris . .	11	34 31.50	- 0.28	-35.46	33 22 4.80	42.991	+ 35.6	57.5	7 33 . . .	. . .	. . .	. . .
41	β Geminorum	11	39 37.88	- 0.27	-35.40	10 34 2.45	46.804	+ 10.1	57.6	7 39 . . .	. . .	. . .	. . .
42	α Hydræ	11	23 8.58	- 0.31	-35.38	47 4 5.80	42.368	+ 57.8	57.3	9 22 . . .	. . .	. . .	. . .
43	β Libræ	11	12 6.69	- 0.31	-35.19	47 50 5.98	47.032	+ 1 1.2	56.9	15 11 . . .	. . .	. . .	. . .
44	Moon I, S.	11	36 34.85	- 0.37	-35.23	64 22 1.88	44.257	+ 1 55.2	57.3	15 35 59.25	+76.50	- 25 32 23.1	. . .
45	ε Serpentes	11	46 19.66	- 0.28	-35.16	34 4 6.38	43.522	+ 37.6	57.4	15 45 . . .	. . .	. . .	. . .
46	ζ Ursæ Minoris . . .	7	48 24.72	- 0.62	[-34.75]	320 46 . . .	. . .	. . .	. . .	15 47 . . .	. . .	. . .	. . .
47	δ Scorpii	11	54 53.89	- 0.35	-35.26	61 10 6.42	43.471	+ 1 40.7	57.0	15 54 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
10 14 52	29.852	65.9	64.3	3, 16, 42.	Bisections at VI, VII.	6	+ 0.4	. . .	. . .	+ 0.4
15 46	29.848	65.0	64.3	11.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	10	+ 8.0	- 17.0	. . .	- 9.0
2 10	29.884	67.8	67.7	12.	Bisections at I, VI, VII.	16	+ 2.4	+15 46.1	. . .	+15 48.5
3 0	29.894	72.0	69.6	19.	Bisections at C ₃ , C ₂ , C ₁ .	24	+52 17.5	-16 33.6	. . .	+35 43.9
3 55	29.890	74.2	71.1	22.	Bisections at I, II.	28	+ 0.8	+ 9.4	. . .	+ 10.2
4 35	29.884	73.8	72.1	23, 32.	Bisections at I, II, VII.	29	+ 0.8	- 9.4	. . .	- 8.6
5 22	29.866	74.8	73.5	24.	Bisections at III, IV, V.	44	+54 51.5	+16 38.6	. . .	+71 30.1
5 50	29.860	75.0	73.9	25, 26, 30, 35.	Bisections at II, VI, VII.					
13 15	29.754	72.2	71.1	28.	Bisections at I, VII.					
14 10	29.754	71.0	70.1	29.	Bisections at II, VI.					
15 35	29.752	70.0	68.6	44.	Bisections at II, III, IV, V, VI.					
16 30	29.742	69.8	68.3							
17 10	29.726	69.0	67.5							
17 50	29.704	68.2	67.1							
5 26	29.673	80.0	79.6							
7 29	29.644	82.8	82.0							
7 47	29.638	83.4	82.9							
9 23	29.612	84.0	84.3							
15 18	29.632	70.8	69.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instrument.	Clock.								
1	β^1 Scorpii	11	0	6.15	-0.34	-35.29	58 22 5.85	43.119	+1 30.0	57.9	15 59 . .	. .		. .
	June 13, S.													
2	β Libræ	11	12	5.75	-0.28	-34.28	47 50 2.25	47.231	+1 1.4	57.8	15 11 . .	. .		. .
3	Uranus C. C.	11	35	18.20	-0.30	-34.49	57 52 0.35	44.896	+1 28.4	57.4	15 34 43.41	. .	-19 2 6.8	. .
4	δ Scorpii	10	54	53.12	-0.31	-34.52	61 10 1.70	43.744	+1 40.8	57.6	15 54 . .	. .		. .
5	β^1 Scorpii	11	0	5.39	-0.30	-34.56	58 22 0.78	43.381	+1 30.1	57.9	15 59 . .	. .		. .
6	δ Ophiuchi	11	9	35.05	-0.26	-34.46	42 16 2.22	46.231	+1 50.6	57.0	16 9 . .	. .		. .
7	α Scorpii	11	23	44.23	-0.32	-34.46	65 2 1.82	44.191	+1 59.2	57.0	16 23 . .	. .		. .
8	Moon I, S.	11	45	43.75	-0.34	-34.45	66 31 51.40	50.581	+7.9	57.4	16 45 8.96	+78.03	-27 44 26.5	. .
9	ϵ Ursæ Minoris	8	57	12.64	-0.88	[-34.50]	316 39 59.88	44.663	+52.3	[57.4]	16 56 . .	. .		. .
10	δ Ophiuchi	11	20	43.65	-0.32	-34.52	62 54 1.50	46.470	+1 48.5	57.0	17 20 . .	. .		. .
	June 13, K.													
11	Venus II, N.	11	37	11.77	-0.29	-34.13	26 32 1.35	35.941	+27.6	58.4	2 36 37.35	-1.12	+12 18 30.2	. .
12	β Ursæ Minoris s. p. . .	9	51	38.88	+0.22	[-34.18]	293 27 58.30	45.115	-2 5.8	[58.2]	14 51 . .	. .		. .
13	α Ceti	11	57	29.27	-0.30	-34.12	35 10 3.00	42.838	+38.9	58.5	2 56 . .	. .		. .
14	η Tauri	10	41	57.16	-0.28	-34.09	15 4 0.52	44.185	+14.9	56.9	3 41 . .	. .		. .
15	ζ Persei	11	48	14.90	-0.28	-34.11	7 16 . .	. .	. .	. .	3 47 . .	. .		. .
16	Mercury II, N.	11	59	20.15	-0.28	-34.09	22 2 0.55	35.428	+22.3	58.4	3 58 45.78	-0.29	+16 48 46.1	. .
	June 14, K.													
17	Sun I, S.	11	32	31.98	-0.28	-34.05	15 47 59.40	45.968	+15.5	58.4	5 31 57.65	+68.85	+23 2 48.5	. .
18	Sun II, N.	11	34	49.68	-0.28	-34.05	15 15 55.78	47.490	+15.0	58.4	5 34 15.35	-68.85	+23 34 20.5	. .
19	γ Geminorum	11	32	21.07	-0.28	-33.97	22 22 2.25	43.898	+22.5	58.6	6 31 . .	. .		. .
20	α^2 Geminorum	8	28	37.44	-0.27	-34.05	6 43 58.72	46.012	+6.5	59.8	7 28 . .	. .		. .
21	α Canis Minoris	11	34	30.05	-0.30	-33.98	33 22 2.48	43.122	+35.9	58.2	7 33 . .	. .		. .
22	β Geminorum	10	39	36.48	-0.28	-33.98	10 34 1.08	46.906	+10.2	58.2	7 39 . .	. .		. .
23	Saturn I, S.	6	35	31.28	-0.39	-33.71	55 50 0.92	43.158	+1 21.5	57.9	15 34 57.18	+0.70	-16 59 26.6	. .
24	Saturn II, N.	5	35	32.68	-0.39	-33.71	55 50 0.92	42.172	+1 21.5	57.9	15 34 58.58	-0.70	-16 59 7.9	. .
25	α Serpentis	11	39	49.00	-0.31	-33.72	32 6 2.45	44.775	+34.8	57.7	15 39 . .	. .		. .
26	ϵ Serpentis	11	46	18.23	-0.32	-33.68	34 4 2.65	43.830	+37.5	59.7	15 45 . .	. .		. .
27	δ Scorpii	11	54	52.35	-0.41	-33.65	61 10 2.22	43.740	+1 40.6	57.7	15 54 . .	. .		. .
28	β^1 Scorpii	11	0	4.69	-0.40	-33.76	58 22 1.45	43.329	+1 30.0	57.5	15 59 . .	. .		. .
29	δ Herculis	11	58	25.43	-0.26	-33.74	5 8 3.65	45.918	+5.1	58.0	16 57 . .	. .		. .
30	B. D. + 44°, 2652 . . .	11	2	33.93	-0.25	-33.66	354 54 4.70	46.041	+4.9	57.9	17 2 0.02	-3.26	+43 56 59.9	+6.8
31	α^1 Herculis	11	10	34.26	-0.29	-33.55	24 20 3.80	46.530	+25.2	57.3	17 10 . .	. .		. .
32	δ Ophiuchi	11	20	42.90	-0.42	-33.66	62 54 2.18	46.450	+1 48.6	57.4	17 20 . .	. .		. .
33	B. D. + 39°, 3147 . . .	11	27	50.88	-0.26	-33.64	359 54 0.40	44.615	+0.0	57.9	17 27 16.98	-3.22	+38 57 26.8	+7.1
34	μ Herculis	11	43	2.66	-0.27	-33.51	11 4 1.85	46.220	+11.0	58.1	17 42 . .	. .		. .
35	Moon II, S.	11	58	32.67	-0.45	-33.62	66 36 2.30	46.835	+2 8.4	57.9	17 57 58.60	-77.62	-27 47 25.7	. .
36	γ^2 Sagittarii	11	59	49.92	-0.45	-33.70	69 14 2.42	46.332	+2 26.3	57.6	17 59 . .	. .		. .
37	δ Ursæ Minoris	5	6	14.44	-0.81	[-33.63]	312 16 0.52	44.010	-1 1.1	[57.7]	18 5 . .	. .		. .
38	μ Sagittarii	11	8	14.30	-0.40	-33.67	59 54 1.18	47.906	+1 36.1	57.8	18 7 . .	. .		. .
	June 14, Br.													
39	Venus II, N.	11	39	59.78	-0.28	-33.35	26 22 1.90	47.461	+27.3	58.8	2 39 26.15	-1.10	+12 28 4.6	. .
40	α Ceti	11	57	28.49	-0.28	-33.34	35 10 1.75	42.898	+38.6	58.3	2 56 . .	. .		. .
41	α Persei	9	17	32.69	-0.33	[-33.24]	349 21 59.82	44.230	+10.2	57.3	3 16 . .	. .		. .
42	Mercury C. C.	11	2	50.32	-0.28	-33.30	21 44 1.12	48.750	+21.8	58.8	4 2 16.74	-0.14	+17 5 46.2	. .
43	α Tauri	10	30	35.14	-0.28	-33.21	22 32 1.20	47.285	+22.6	59.4	4 30 . .	. .		. .
	June 15, Br.													
44	γ Geminorum	7	32	20.27	-0.28	-33.16	22 22 1.72	44.042	+22.3	60.1	6 31 . .	. .		. .
45	α Canis Majoris	11	41	10.77	-0.31	-33.32	55 24 0.90	46.618	+1 18.2	59.0	6 40 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d	h m	in.	°	°						" "	" "	" "	" "	
12	16 0	29.630	68.0	67.9	8.	Bisections at II, III, IV, V, VI.				3	+0.4	. .	. .	+0.4
13	15 16	29.528	67.8	66.3	9.	Bisections at C ₁ , C ₃ , C ₅ .				8	+55 49.7	+16 38.5	. .	+72 28.2
15	30	29.536	66.9	65.3	11, 16.	Z. D. thread A used.				11	+7.5	-16.3	. .	-8.8
17	28	29.552	67.0	65.8	12.	Bisections at D ₁ , C ₃ , B ₃ .				16	+4.1	-4.2	. .	-0.1
2	34	29.700	72.4	72.1	17, 29, 43.	Bisections at I, II.				17	+2.4	+15 46.0	. .	+15 48.4
3	21	29.716	75.5	74.2	18, 20, 31, 36.	Bisections at VI, VII.				18	+2.3	-15 45.9	. .	-15 43.6
4	1	29.724	77.0	75.4	23, 41.	Bisections at I, VII.				23	+0.8	+9.4	. .	+10.2
5	34	29.742	79.0	78.1	24, 42.	Bisections at II, VI.				24	+0.8	-9.3	. .	-8.5
6	32	29.744	79.8	79.6	35.	Bisections at III, IV, V.				35	+55 33.0	+16 33.1	. .	+72 6.1
7	39	29.738	81.4	80.5	37.	Bisections at B ₁ , B ₃ .				39	+7.4	-16.1	. .	-8.7
15	28	29.746	73.0	72.0	44.	Bisections at I, II, VI.				42	+4.0	. .	-0.7	+3.3
16	0	29.746	72.0	70.3										
17	7	29.748	70.3	69.2										
18	8	29.754	69.2	68.1										
2	34	29.784	77.0	77.0										
3	9	29.790	80.5	79.1										
3	49	29.788	82.0	80.3										
4	41	29.786	83.5	81.6										
15	6 24	29.762	85.0	84.1										
7	47	29.742	88.0	86.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
	June 15, S.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Aurigæ	6	9 38.54	- 0.28	[-32.33]	352 57 59.48	44.345	- 6.6	57.8	5 9 . . .	.	.	.
2	β Orionis	6	10 8.78	- 0.29	-32.51	47 9 57.75	43.395	+ 58.3	58.1	5 9 . . .	.	.	.
	June 16, S.												
3	Sun I, N.	11	40 48.94	- 0.26	-32.49	15 11 59.18	45.880	+ 14.8	59.0	5 40 16.19	+68.89	+ 23 38 51.7	.
4	Sun II, S.	8	43 6.72	- 0.26	-32.49	15 44 0.20	44.175	+ 15.3	59.0	5 42 33.97	-68.89	+ 23 7 20.0	.
5	α Canis Majoris	11	41 10.00	- 0.30	-32.56	55 23 59.48	46.699	+ 18.2	59.4	6 40 . . .	.	.	.
6	α Canis Minoris	11	34 28.43	- 0.26	-32.40	33 22 1.60	43.266	+ 35.5	59.9	7 33 . . .	.	.	.
7	β Geminorum	11	39 34.85	- 0.26	-32.37	10 34 0.35	46.960	+ 10.1	59.7	7 39 . . .	.	.	.
	June 18, K.												
8	Moon II, N.	11	59 6.53	- 0.36	-31.08	49 46 1.98	34.475	+ 7.0	57.8	21 58 35.09	-65.84	- 10 55 42.2	.
9	α Aquarii	11	1 4.03	- 0.31	-31.17	39 40 3.05	43.565	+ 47.0	57.6	22 0 . . .	.	.	.
10	β Aquarii	11	11 58.35	- 0.34	-31.11	47 8 2.72	44.470	+ 1.1	58.4	22 11 . . .	.	.	.
11	π Aquarii	11	20 35.13	- 0.31	-31.03	37 58 1.75	48.440	+ 44.3	57.2	22 20 . . .	.	.	.
12	226 B. Cephei	11	31 0.34	- 0.25	[-30.71]	323 10 0.75	46.271	- 42.3	[58.4]	22 30 . . .	.	.	.
13	λ Aquarii	11	47 48.55	- 0.34	-30.99	46 58 2.00	44.081	+ 0.8	58.1	22 47 . . .	.	.	.
	June 18, La.												
14	α Tauri	11	30 32.94	- 0.26	-30.95	22 32 7.02	46.766	+ 22.9	57.3	4 30 . . .	.	.	.
15	α Aurigæ	8	9 36.97	- 0.25	[-30.73]	352 58 . . .	.	.	.	5 09 . . .	.	.	.
	June 19, La.												
16	Sun I, N.	11	53 15.90	- 0.25	-30.91	15 8 1.22	46.732	+ 14.9	58.0	5 52 44.74	+68.82	+ 23 42 32.1	.
17	Sun II, S.	10	55 33.54	- 0.25	-30.91	15 40 8.88	44.612	+ 15.4	58.0	5 55 2.38	-68.82	+ 23 11 1.8	.
18	α^2 Geminorum	10	28 34.22	- 0.25	-30.84	6 44 3.85	45.695	+ 6.5	58.5	7 28 . . .	.	.	.
19	α Canis Minoris	11	34 26.93	- 0.27	-30.89	33 22 6.40	42.902	+ 36.1	58.5	7 33 . . .	.	.	.
20	β Geminorum	11	39 33.34	- 0.25	-30.86	10 34 4.45	46.725	+ 10.3	57.9	7 39 . . .	.	.	.
21	ϵ Hydræ	11	41 51.78	- 0.27	-30.85	32 2 2.92	48.080	+ 34.3	57.9	8 41 . . .	.	.	.
22	ι Ursæ Majoris	11	52 42.29	- 0.26	[-30.77]	350 24 5.08	46.790	- 9.2	[58.4]	8 52 . . .	.	.	.
	June 20, S.												
23	λ Aquarii	11	47 47.73	- 0.18	-30.27	46 58 2.85	43.940	+ 1.2	56.9	22 47 . . .	.	.	.
24	α Pegasi	11	0 10.62	- 0.10	-30.24	24 12 4.78	43.842	+ 25.7	57.9	22 59 . . .	.	.	.
25	θ Piscium	11	23 17.39	- 0.13	-30.23	33 2 3.70	43.954	+ 37.2	58.1	23 22 . . .	.	.	.
26	Moon II, N.	11	34 12.54	- 0.15	-30.25	37 58 3.40	39.838	+ 44.5	57.7	23 33 42.14	-62.65	+ 0 54 11.1	.
27	ϵ Piscium	11	58 8.07	- 0.13	-30.20	31 30 4.15	46.039	+ 35.0	58.1	0 57 . . .	.	.	.
28	θ^1 Ceti	11	19 24.77	- 0.18	-30.29	47 32 2.30	47.555	+ 2.3	57.7	1 18 . . .	.	.	.
29	α Ursæ Minoris	6	21 27.77	+ 2.42	[-30.25]	310 6 0.62	48.025	- 7.3	[58.0]	1 20 . . .	.	.	.
	June 20, Br.												
30	γ Ceti	11	38 29.61	- 0.17	-30.25	36 2 3.58	45.810	+ 41.3	58.1	2 37 . . .	.	.	.
31	β Ursæ Minoris s. p.	5	51 34.80	+ 0.02	[-30.30]	293 28 . . .	.	.	.	14 51 . . .	.	.	.
32	Venus II, N.	11	58 3.71	- 0.14	-30.20	25 18 3.60	45.252	+ 26.9	57.4	2 57 33.37	- 1.02	+ 13 32 44.3	.
33	γ Tauri	11	14 27.45	- 0.14	-30.23	23 28 4.80	44.900	+ 24.6	57.8	4 13 . . .	.	.	.
34	Mercury C, C.	11	29 29.82	- 0.13	-30.19	19 44 2.55	44.130	+ 20.3	57.4	4 28 59.50	- 0.10	+ 19 7 13.4	.
35	α Tauri	9	30 32.01	- 0.14	-30.10	22 31 57.38	47.192	+ 23.5	58.0	4 30 . . .	.	.	.
	June 21, Br.												
36	Sun I, S.	11	1 34.07	- 0.12	-30.18	15 40 1.82	43.842	+ 15.8	57.4	6 1 3.77	+68.95	+ 23 11 25.5	.
37	Sun II, N.	11	3 51.98	- 0.12	-30.18	15 8 0.32	45.360	+ 15.3	57.4	6 3 21.68	-68.96	+ 23 42 55.5	.
38	α Canis Majoris	11	41 7.65	- 0.23	-30.25	55 24 2.22	46.194	+ 21.3	56.5	6 40 . . .	.	.	.
39	ϵ Canis Majoris	10	55 5.35	- 0.29	-30.21	67 38 3.20	47.979	+ 15.7	57.8	6 54 . . .	.	.	.
40	δ Canis Majoris	11	4 42.99	- 0.28	-30.25	65 2 3.00	48.401	+ 0.1	57.3	7 4 . . .	.	.	.
41	α^2 Geminorum	11	28 33.36	- 0.10	-30.12	6 44 2.25	45.762	+ 6.7	56.8	7 28 . . .	.	.	.
42	α Canis Minoris	11	34 26.09	- 0.16	-30.15	33 22 1.85	43.025	+ 36.9	57.2	7 33 . . .	.	.	.
43	β Geminorum	11	39 32.39	- 0.11	-30.04	10 34 1.42	46.422	+ 10.5	[50.6]	7 39 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
15 5 21	29.730	83.2	83.9	1.	Bisection at II.	3	+ 2.3	-15 45.8	.	-15 43.5
16 5 43	29.725	84.4	83.7	2.	Bisection at VII.	4	+ 2.3	+15 45.9	.	+15 48.2
17 5 47	29.737	86.0	84.9	3, 16, 36.	Bisections at I, II.	8	+43 36.3	-15 38.3	.	+27 58.0
18 21 59	29.840	64.0	61.3	4, 7, 17, 18, 28, 35, 37, 43.	Bisections at VI, VII.	16	+ 2.3	-15 45.2	.	-15 42.9
22 47	29.846	62.8	61.0	8.	Bisections at III, IV, V.	17	+ 2.3	+15 45.1	.	+15 47.4
4 30	29.854	76.2	76.2	8.	Z. D. thread A used.	26	+34 3.0	-15 10.7	.	+18 52.3
5 15	29.890	78.6	78.0	9.	Bisections at II, VI.	32	+ 6.5	- 14.8	.	- 8.3
19 5 55	29.886	80.0	79.1	12.	Bisections at II, III, V, VI.	34	+ 3.2	.	- 0.4	+ 2.8
7 28	29.868	79.2	79.7	26.	Bisections at II, III, IV, V, VI.	36	+ 2.3	+15 45.0	.	+15 47.3
8 45	29.826	80.2	80.1	29.	Bisections at B ₁ , B ₂ , B ₃ .	37	+ 2.3	-15 45.0	.	-15 42.7
20 22 39	29.717	59.0	56.2							
23 39	29.734	58.4	56.2							
1 28	29.772	59.9	58.0							
2 9	29.790	61.5	59.3							
2 55	29.780	61.8	60.2							
4 11	.	.	61.5							
4 37	29.786	65.0	62.2							
21 6 3	29.778	65.6	64.0							
6 49	29.782	68.0	66.0							
7 53	29.776	69.2	66.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			m	s	Instrument.	Clock.								
1	α Canum Venat. . .	11	51	45.28	- 0.08	-29.85	359 58 0.80	47.428	0.0	51.3	12 51 . . .			
2	α Ursæ Minoris S. P.	11	21	33.63	- 3.35	[-29.87]	307 38 0.10	44.655	- I 12.2	[52.0]	1 21 . . .			
3	Uranus C, C. . .	11	34	7.70	- 0.31	-29.92	57 48 2.22	45.582	+ I 29.8	52.6	15 33 37.47		- 18 58 28.1	
4	ε Serpentis . . .	11	46	14.33	- 0.20	-29.90	34 4 3.72	43.361	+ 38.3	53.4	15 45 . . .			
5	δ Scorpii . . .	11	54	48.64	- 0.33	-30.00	61 10 3.42	43.312	+ I 42.6	52.6	15 54 . . .			
6	β ¹ Scorpii . . .	11	0	0.89	- 0.31	-30.03	58 21 58.22	43.098	+ I 31.7	52.9	15 59 . . .			
7	θ Piscium . . .	11	23	16.64	- 0.20	-29.38	33 2 3.80	43.582	+ 37.3	51.4	23 22 . . .			
8	ι Piscium . . .	11	35	11.13	- 0.20	-29.36	33 46 4.55	45.716	+ 38.4	51.7	23 34 . . .			
9	ω Piscium . . .	11	54	33.16	- 0.20	-29.34	32 32 3.80	47.382	+ 35.8	50.8	23 54 . . .			
10	Moon II . . .	10	19	33.00	- 0.20	-29.34	32 29 . . .				0 19 3.46	-62.35		
11	ε Piscium . . .	9	58	7.32	- 0.19	-29.36	31 30 3.90	45.684	+ 34.9	51.2	0 57 . . .			
12	α Ursæ Minoris June 21, K.	7	21	27.86	+ 2.36	[-29.34]	310 6 1.10	47.689	- I 7.0	[50.4]	1 21 . . .			
13	α Orionis June 22, K.	6	50	1.40	- 0.32	-24.31	31 28 . . .				5 49 . . .			
14	Sun I, S. . .	11	5	38.04	- 0.28	-24.33	15 40 5.48	34.602	+ 15.6	52.0	6 5 13.43	+68.91	+ 23 10 58.7	
15	Sun II, N. . .	11	7	55.86	- 0.28	-24.33	15 8 0.65	36.118	+ 15.1	52.0	6 7 31.25	-68.91	+ 23 42 32.0	
16	α Canis Majoris . .	8	41	1.99	- 0.41	-24.41	55 24 0.72	46.012	+ I 20.3	52.2	6 40 . . .			
17	β Geminorum . .	11	39	26.94	- 0.28	-24.42	10 34 0.45	46.620	+ 10.4	51.9	7 39 . . .			
18	β Libræ . . .	11	11	56.32	- 0.34	-24.80	47 50 4.20	46.821	+ I 1.9	52.8	15 11 . . .			
19	Saturn I, N. . .	6	33	31.75	- 0.36	-24.85	55 44 1.70	35.022	+ I 22.2	52.6	15 33 6.54	+ 0.61	- 16 54 12.6	
20	Saturn II, S. . .	5	33	33.04	- 0.36	-24.85	55 44 1.70	35.980	+ I 22.2	52.6	15 33 7.83	- 0.65	- 16 54 31.1	
21	α Serpentis . . .	11	39	40.12	- 0.29	-24.86	32 6 2.50	44.430	+ 35.2	52.5	15 39 . . .			
22	ζ Ursæ Minoris . .	11	48	13.48	- 0.44	[-24.29]	320 46 0.10	42.816	- 45.7	[52.5]	15 47 . . .			
23	δ Scorpii . . .	11	54	43.57	- 0.38	-24.88	61 10 1.95	43.445	+ I 41.8	52.9	15 54 . . .			
24	β ¹ Scorpii . . .	11	59	55.80	- 0.37	-24.88	58 22 1.75	42.998	+ I 31.0	52.4	15 59 . . .			
25	γ Pegasi . . .	11	8	23.49	- 0.22	-25.18	24 14 2.18	44.844	+ 25.4	52.1	0 7 . . .			
26	β Ceti . . .	11	38	52.92	- 0.33	-25.23	57 22 1.52	46.586	+ I 27.6	52.6	0 38 . . .			
27	ε Piscium . . .	11	58	3.26	- 0.24	-25.22	31 30 3.00	45.818	+ 34.4	52.5	0 57 . . .			
28	Moon II, N. . .	11	4	59.76	- 0.23	-25.23	26 52 3.25	35.469	+ 28.4	52.4	1 4 34.30	-62.81	+ 11 58 30.6	
29	α Ursæ Minoris June 22, S.	4	21	27.42	- 0.28	[-25.24]	310 6 0.35	47.688	- I 6.0	[52.0]	1 21 . . .			
30	γ Ceti . . .	11	38	24.77	- 0.25	-25.27	36 2 2.85	45.535	+ 40.4	51.6	2 37 . . .			
31	Venus II . . .	7	4	27.02	- 0.23	-25.27	24 54 . . .				3 4 1.52	- 0.99		
32	α Persei . . .	11	17	24.75	- 0.21	[-25.13]	349 22 0.25	43.961	- 10.3	51.8	3 16 . . .			
33	η Tauri . . .	11	41	48.52	- 0.22	-25.29	15 4 0.55	43.910	+ 14.9	50.7	3 41 . . .			
34	ζ Persei . . .	11	48	6.24	- 0.21	-25.29	7 16 . . .				3 47 . . .			
35	Mercury C, C. . . June 23, S.	11	40	27.58	- 0.22	-25.33	18 58 1.65	48.408	+ 19.0	51.7	4 40 2.03	- 0.09	+ 19 51 47.8	
36	Sun I, N. . .	11	9	48.61	- 0.22	-25.38	15 8 4.95	49.022	+ 14.9	51.7	6 9 23.01	+68.89	+ 23 41 38.2	
37	Sun II, S. . .	11	12	6.39	- 0.22	-25.38	15 40 4.05	47.430	+ 15.4	51.7	6 11 40.79	-68.89	+ 23 10 6.3	
38	α Leonis . . .	7	3	20.74	- 0.23	-25.53	26 22 2.65	46.898	+ 27.4	52.6	10 2 . . .			
39	α Virginis . . .	11	20	14.63	- 0.35	-25.60	49 28 1.78	44.592	+ I 3.4	52.4	13 19 . . .			
40	α Ursæ Minoris S. P.	7	21	25.71	- 2.36	[-20.92]	307 37 59.02	44.843	- I 11.6	[53.2]	1 21 . . .			
41	η Bootis . . .	11	50	15.61	- 0.28	-25.65	19 56 1.25	45.639	+ 20.2	52.8	13 49 . . .			
42	β Libræ . . .	11	11	57.27	- 0.34	-25.75	47 50 1.40	46.989	+ I 1.6	52.9	15 11 . . .			
43	Uranus C, C. . .	11	33	48.38	- 0.38	-25.84	57 48 0.52	43.109	+ I 28.4	53.1	15 33 22.16		- 18 57 37.1	
44	δ Scorpii . . .	11	54	44.55	- 0.39	-25.85	61 10 1.85	43.511	+ I 41.1	53.4	15 54 . . .			
45	β ¹ Scorpii . . .	11	59	56.79	- 0.38	-25.86	58 22 0.75	43.164	+ I 30.4	54.0	15 59 . . .			
46	α Scorpii . . .	11	23	35.89	- 0.41	-25.98	65 2 1.90	43.995	+ I 59.6	53.3	16 23 . . .			
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.		
d	h m	in.	°	°										
21	12 43	29.764	71.0	69.3	2.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .		3	+	0.4			+	0.4
	13 51	29.756	66.0	64.3	6, 15, 16, 37, 39.		Bisections at VI, VII.	14	+	2.3	+15 46.6		+	15 48.9
	15 39	29.776	62.8	61.1	12.	Bisections at C ₁ , C ₂ , C ₄ , C ₅ .		15	+	2.3	-15 46.7		-	15 44.4
	16 7	29.784	62.5	61.2	14, 33, 36.		Bisections at I, II.	19	+	0.8	- 9.2			8.4
	23 16	29.810	58.0	55.2	14, 15, 19, 20, 28.		Z. D. thread A used.	20	+	0.8	+ 9.3		+	10.1
	23 46			58.7	19.	Bisections at I, VII.		28	+	30.0	-14 52.7		+	9 37.3
	0 42	29.820	60.0	58.7	20.	Bisections at II, VI.		35	+	2.9		-	0.3	2.6
22	6 41	29.834	63.5	63.2	28.	Bisections at II, III, IV, V, VI.		36	+	2.3	-15 45.9			15 43.6
	7 39	29.828	74.8	74.4	29.	Bisections at B ₁ , B ₂ , C ₁ .		37	+	2.3	+15 46.0		+	15 48.3
	15 11	29.792	68.5	66.8	38.	Bisections at II, VI, VII.		43	+	0.4			+	0.4
	15 59	20.788	67.0	65.3	40.	Bisections at D ₃ , D ₂ , D ₁ .								
	0 8	29.786	64.4	63.5										
	1 10	29.798	66.4	67.7										
	2 41	29.810	70.7	71.9										
	3 50	29.812	75.2	74.1										
	4 48	29.825	76.7	76.4										
23	6 12	29.810	79.2	79.0										
	10 15	29.800	74.4	74.9										
	13 31	29.812	72.8	72.0										
	13 55	29.818	72.0	71.0										
	15 17	29.828	70.6	69.5										
	16 5	29.826	70.0	69.1										
	16 30	29.831	69.8	68.6										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	γ Pegasi	11	8 24.41	-0.21	-26.08	24 14 5.80	44.691	+ 25.3	52.9	0 7 . . .	.	.	.
2	α Ursæ Minoris	5	21 35.42	-6.34	[-26.12]	310 5 59.75	47.802	- 1 5.7	[52.3]	1 21 . . .	.	.	.
3	η Piscium	11	26 26.46	-0.21	-26.14	24 2 2.40	44.022	+ 24.8	52.4	1 26 . . .	.	.	.
4	ο Piscium	11	40 25.45	-0.21	-26.19	30 12 1.92	45.279	+ 32.4	52.4	1 39 . . .	.	.	.
5	Moon II, N.	11	51 41.76	-0.20	-26.16	22 4 2.48	44.833	+ 22.5	52.5	1 51 15.40	-63.89	+ 16 46 53.0	.
6	α Arietis	11	1 50.02	-0.21	-26.15	15 52 2.48	45.828	+ 15.8	52.3	2 1 . . .	.	.	.
June 23, B.													
7	Venus II, N.	11	7 46.50	-0.30	-26.11	24 42 1.68	45.962	+ 25.3	56.2	3 7 20.09	-0.98	+ 14 8 33.0	.
8	α Persei	6	17 25.90	-0.33	[-26.12]	349 22 . . .	.	.	.	3 16 . . .	.	.	.
9	η Tauri	11	41 49.49	-0.30	-26.14	15 4 2.28	44.046	+ 14.8	56.4	3 41 . . .	.	.	.
10	ζ Persei	9	48 7.19	-0.30	-26.12	7 16 3.10	46.173	+ 7.0	56.1	3 47 . . .	.	.	.
June 24, B.													
11	Sun I, S.	11	13 58.93	-0.30	-26.21	15 42 1.92	45.468	+ 15.3	56.2	6 13 32.42	+68.92	+ 23 8 53.5	.
12	Sun II, N.	11	16 16.78	-0.30	-26.22	15 10 1.72	46.885	+ 14.8	56.2	6 15 50.26	-68.92	+ 23 40 24.2	.
13	5 Ursæ Minoris	10	28 15.68	-0.72	[-26.41]	322 41 58.02	47.430	- 41.8	[56.3]	14 27 . . .	.	.	.
14	α Libræ	10	45 41.06	-0.43	-26.59	54 26 3.62	48.434	+ 1 17.1	56.4	14 45 . . .	.	.	.
15	β Libræ	11	11 58.11	-0.41	-26.53	47 50 5.12	46.970	+ 1 1.0	55.8	15 11 . . .	.	.	.
16	Saturn I, N.	5	33 8.44	-0.44	-26.53	55 44 2.70	42.090	+ 1 21.0	56.4	15 32 41.47	+0.63	- 16 53 9.0	.
17	Saturn II, S.	6	33 9.70	-0.44	-26.53	55 44 2.70	43.018	+ 1 21.0	56.4	15 32 42.73	-0.63	- 16 53 26.9	.
18	δ Scorpïi	11	54 45.25	-0.46	-26.48	61 9 57.02	43.940	+ 1 40.2	55.9	15 54 . . .	.	.	.
19	β ¹ Scorpïi	11	59 57.51	-0.44	-26.52	58 22 2.35	43.298	+ 1 29.5	57.4	15 59 . . .	.	.	.
June 24, K.													
20	Moon II, N.	11	40 22.65	-0.39	-26.86	17 58 1.85	36.769	+ 17.7	56.2	2 39 55.40	-65.38	+ 20 52 21.6	.
21	β Ursæ Minoris S. P.	10	51 30.57	+0.62	[-26.91]	293 27 56.78	45.154	- 2 4.1	[58.0]	14 51 . . .	.	.	.
22	α Ceti	11	57 22.37	-0.37	-26.86	35 9 59.88	42.830	+ 38.4	56.6	2 56 . . .	.	.	.
23	Venus II, N.	11	11 8.65	-0.38	-26.86	24 29 58.40	35.082	+ 24.8	56.2	3 10 41.41	-0.97	+ 14 20 50.2	.
24	ε Eridani	11	28 33.14	-0.39	-26.95	48 38 0.55	46.286	+ 1 1.7	56.0	3 28 . . .	.	.	.
25	η Tauri	11	41 50.26	-0.38	-26.81	15 3 59.00	44.176	+ 14.7	55.6	3 41 . . .	.	.	.
26	ζ Persei	11	48 8.01	-0.39	-26.82	7 16 0.25	46.275	+ 7.0	55.9	3 47 . . .	.	.	.
27	Mercury II, C.	11	52 36.55	-0.38	-26.86	18 14 1.25	46.601	+ 17.9	56.2	4 52 9.31	-0.23	+ 20 36 28.5	.
June 25, K.													
28	Sun I, N.	11	18 8.92	-0.38	-26.85	15 12 2.32	46.030	+ 14.7	56.2	6 17 41.69	+68.89	+ 23 38 42.9	.
29	Sun II, S.	11	20 26.71	-0.38	-26.85	15 44 2.55	44.232	+ 15.2	56.2	6 19 59.48	-68.90	+ 23 7 13.9	.
30	α Canis Majoris	7	41 4.50	-0.40	-26.91	55 24 0.05	46.445	+ 1 17.8	56.4	6 40 . . .	.	.	.
31	α Canis Minoris	3	34 22.96	-0.37	-26.79	33 22 . . .	.	.	.	7 33 . . .	.	.	.
32	β Geminorum	3	39 29.53	-0.39	-26.88	10 34 0.28	47.000	+ 10.1	56.9	7 39 . . .	.	.	.
33	ε Hydræ	5	41 47.85	-0.37	-26.83	32 2 . . .	.	.	.	8 41 . . .	.	.	.
34	β Libræ	11	11 58.55	-0.37	-27.01	47 50 1.62	47.291	+ 1 0.0	57.5	15 11 . . .	.	.	.
35	α Coronæ Borealis	11	30 50.12	-0.36	-26.98	11 48 1.32	43.524	+ 11.4	56.7	15 30 . . .	.	.	.
36	Uranus C, C.	11	33 35.06	-0.39	-27.01	57 46 1.62	47.106	+ 1 26.1	57.0	15 33 7.66	.	- 18 56 48.6	.
37	α Serpentis	11	39 42.32	-0.36	-27.00	32 6 1.85	44.708	+ 34.2	56.5	15 39 . . .	.	.	.
38	ε Serpentis	11	46 11.63	-0.36	-27.04	34 4 1.55	43.738	+ 36.8	57.5	15 45 . . .	.	.	.
39	ζ Ursæ Minoris	8	48 16.60	-1.07	[-27.00]	320 46 . . .	.	.	.	15 47 . . .	.	.	.
June 25, Ia.													
40	δ Persei	11	36 4.31	-0.35	-27.11	351 24 2.85	44.558	- 8.3	55.8	3 35 . . .	.	.	.
41	α Aurigæ	11	9 33.54	-0.34	[-27.03]	352 58 4.30	43.922	- 6.8	55.0	5 9 . . .	.	.	.
42	β Tauri	5	20 15.44	-0.30	-26.97	10 20 3.92	44.305	+ 10.2	57.1	5 19 . . .	.	.	.
June 26, Ia.													
43	Sun I, S.	11	22 18.59	-0.29	-27.18	15 45 58.52	44.830	+ 15.7	56.3	6 21 51.12	+68.82	+ 23 5 8.8	.
44	Sun II, N.	11	24 36.22	-0.29	-27.18	15 14 1.95	46.110	+ 15.1	56.3	6 24 8.75	-68.81	+ 23 36 38.7	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
23 23 57	29.796	67.5	66.6	2.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .	5	+20 13.9	-14 47.8	.	+ 5 26.1
0 53	29.800	69.8	69.4	3, 12, 29, 44.	Bisections at VI, VII.	7	+ 6.1	- 14.2	.	- 8.1
1 56	29.796	71.3	72.3	5, 20.	Bisections at II, III, IV, V, VI.	11	+ 2.3	+15 45.3	.	+15 47.6
3 0	29.798	76.0	76.4	10, 42.	Bisections at I, II, VI.	12	+ 2.3	-15 45.4	.	-15 43.1
4 0	29.792	79.0	78.1	11, 28, 40, 43.	Bisections at I, II.	16	+ 0.8	- 9.0	.	- 8.2
6 16	29.770	82.0	82.9	13.	Bisections at C ₂ , C ₃ , C ₅ .	17	+ 0.8	+ 8.9	.	+ 9.7
14 25	29.708	75.0	75.5	16, 30.	Bisections at I, VII.	20	+16 33.5	-14 45.7	.	+ 1 47.8
15 40	29.708	73.0	72.1	17.	Bisections at II, VI.	23	+ 6.0	- 14.0	.	- 8.0
2 57	29.708	79.5	80.1	20, 23.	Z. D. thread A used.	27	+ 2.7	.	- 0.2	+ 2.5
3 48	29.714	83.2	82.1	21.	Bisections at II, III, V, VI.	28	+ 2.3	-15 44.5	.	-15 42.2
4 52	29.718	84.2	84.0	32.	Bisection at I.	29	+ 2.3	+15 44.5	.	+15 46.8
6 20	29.716	86.8	86.0	41.	Bisections at II, VI, VII.	36	+ 0.4	.	.	+ 0.4
6 41	29.702	87.0	86.5			43	+ 2.3	+15 44.9	.	+15 47.2
8 41	29.696	89.4	88.8			44	+ 2.3	-15 45.0	.	-15 42.7
15 11	29.710	82.3	81.3							
15 48	29.710	81.2	80.1							
3 36	29.820	72.2	70.9							
5 9	29.842	73.8	71.7							
6 24	29.840	75.4	73.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Canis Majoris. . .	11	41 4.87	- 0.32	-27.35	55 24 2.55	46.171	+ 1 20.0	56.1	6 40 . .	.	.	.
2	α^2 Geminorum. . .	11	28 30.71	- 0.30	-27.24	6 44 2.40	45.790	+ 6.6	57.0	7 28 . .	.	.	.
3	α Canis Minoris. . .	11	34 23.32	- 0.29	-27.22	33 22 3.98	42.866	+ 36.4	56.0	7 33 . .	.	.	.
4	β Geminorum. . .	11	39 29.73	- 0.30	-27.17	10 34 4.05	46.719	+ 10.4	57.2	7 39 . .	.	.	.
5	Saturn I, S. . .	6	32 45.72	- 0.40	-27.56	55 42 5.72	45.990	+ 1 21.9	56.1	15 32 17.76	+ 0.68	16 52 28.1	.
6	Saturn II, N. . .	5	32 47.08	- 0.40	-27.56	55 42 5.72	44.970	+ 1 21.9	56.1	15 32 19.12	- 0.68	16 52 8.4	.
7	ϵ Serpentis. . .	11	46 12.05	- 0.34	-27.49	34 4 6.80	43.319	+ 37.9	55.9	15 45 . .	.	.	.
8	ζ Ursæ Minoris. . .	8	48 16.44	- 0.57	[-27.41]	320 46 . .	.	.	.	15 47 . .	.	.	.
9	δ Scorpii . . .	11	54 46.35	- 0.42	-27.63	61 10 7.30	43.336	+ 1 41.4	55.8	15 54 . .	.	.	.
10	δ Ophiuchi . . .	11	9 28.24	- 0.36	-27.52	42 16 7.72	45.730	+ 50.9	55.8	16 9 . .	.	.	.
11	α Scorpii . . .	11	23 37.65	- 0.44	-27.70	65 2 8.78	43.816	+ 1 59.8	57.0	16 23 . .	.	.	.
June 29, S.													
12	α Ceti . . .	11	57 25.75	- 0.32	-30.15	35 10 0.85	42.724	+ 38.1	56.1	2 56 . .	.	.	.
13	α Persei . . .	11	17 30.15	- 0.43	[-30.04]	349 21 59.65	44.189	+ 10.1	55.6	3 16 . .	.	.	.
14	Venus II, N. . .	11	28 39.20	- 0.32	-30.17	23 26 0.75	48.481	+ 23.5	55.4	3 28 8.71	- 0.91	15 23 46.6	.
15	η Tauri. . .	11	41 53.68	- 0.33	-30.14	15 3 58.25	44.165	+ 14.6	53.5	3 41 . .	.	.	.
16	γ Tauri. . .	11	14 27.79	- 0.32	-30.17	23 28 1.28	44.981	+ 23.4	55.4	4 13 . .	.	.	.
17	α Tauri. . .	11	30 32.46	- 0.32	-30.17	22 32 0.38	47.034	+ 22.4	56.1	4 30 . .	.	.	.
18	β Orionis . . .	11	10 6.70	- 0.32	-30.17	47 9 59.22	43.156	+ 57.9	55.6	5 9 . .	.	.	.
June 30, S.													
19	ϵ Leonis . . .	11	40 32.53	- 0.34	-30.10	14 35 59.10	45.632	+ 13.9	55.0	9 40 . .	.	.	.
20	α Leonis . . .	11	3 25.31	- 0.32	-30.06	26 22 0.88	47.245	+ 26.5	56.1	10 2 . .	.	.	.
July 1, K.													
21	Venus II, N. . .	11	35 56.54	- 0.34	-30.63	23 2 0.70	33.456	+ 23.3	57.8	3 35 25.57	- 0.89	15 49 22.2	.
22	α Tauri. . .	11	30 33.08	- 0.34	-30.72	22 32 0.30	47.091	+ 22.6	57.4	4 30 . .	.	.	.
23	δ Orionis . . .	11	27 16.83	- 0.36	-30.72	39 12 1.82	47.992	+ 44.1	58.2	5 26 . .	.	.	.
24	ϵ Orionis . . .	9	31 31.27	- 0.36	-30.62	40 6 0.35	46.502	+ 45.5	57.4	5 31 . .	.	.	.
July 2, K.													
25	Sun I. . .	11	47 13.65	- 0.33	-30.75	.	.	.	.	6 46 42.57	+ 68.77	.	.
26	Sun II, S. . .	11	49 31.20	- 0.33	-30.75	16 6 1.70	47.802	+ 15.6	57.8	6 49 0.12	- 68.78	22 44 7.6	.
27	α^2 Geminorum. . .	11	28 34.38	- 0.33	-30.83	6 44 3.28	45.715	+ 6.4	57.5	7 28 . .	.	.	.
28	α Canis Minoris. . .	11	34 26.94	- 0.35	-30.74	33 22 0.52	43.205	+ 35.3	58.4	7 33 . .	.	.	.
29	β Geminorum. . .	11	39 33.42	- 0.33	-30.79	10 34 0.22	46.991	+ 10.1	57.9	7 39 . .	.	.	.
30	ϵ Hydræ . . .	11	41 51.80	- 0.34	-30.80	32 2 4.00	48.029	+ 33.5	57.9	8 41 . .	.	.	.
31	Moon I. . .	11	57 3.26	- 0.34	-30.83	22 34 . .	.	.	.	8 56 32.09	+ 66.37	.	.
July 2, I.a.													
32	δ Persei . . .	11	36 8.33	- 0.35	[-30.87]	351 24 2.18	44.500	- 8.2	56.8	3 35 . .	.	.	.
33	Venus II, N. . .	11	39 38.77	- 0.29	-31.00	22 48 4.45	47.348	+ 23.0	57.5	3 39 7.48	- 0.88	16 2 7.2	.
34	ζ Persei . . .	10	48 12.28	- 0.30	-30.94	7 15 59.95	46.268	+ 7.0	57.1	3 47 . .	.	.	.
35	α Tauri. . .	8	30 33.44	- 0.29	-31.11	22 32 4.22	46.930	+ 22.7	57.0	4 30 . .	.	.	.
36	β Orionis . . .	11	10 7.65	- 0.31	-31.07	47 10 2.45	43.030	+ 58.6	57.7	5 9 . .	.	.	.
37	Mercury C, C. . .	11	51 46.11	- 0.30	-31.10	15 42 3.08	47.701	+ 15.3	57.5	5 51 14.71	- 0.04	23 8 9.4	.
July 3, I.a.													
38	Sun I, N. . .	11	51 21.73	- 0.30	-31.15	15 40 4.82	46.090	+ 15.2	57.5	6 50 50.28	+ 68.64	23 10 39.9	.
39	Sun II, S. . .	11	53 39.02	- 0.30	-31.15	16 12 0.75	44.572	+ 15.7	57.5	6 53 7.57	- 68.65	22 39 10.1	.
40	α Canis Minoris. . .	5	34 27.32	- 0.29	-31.18	33 22 1.70	43.133	+ 35.5	58.8	7 33 . .	.	.	.
July 4, S.													
41	α Leonis . . .	11	3 26.57	- 0.33	-31.33	26 22 6.75	47.282	+ 27.0	63.3	10 2 . .	.	.	.
42	γ^1 Leonis . . .	11	14 51.16	- 0.33	-31.33	18 30 5.48	42.949	+ 18.2	62.8	10 14 . .	.	.	.
43	Moon I, N. . .	11	37 19.68	- 0.34	-31.34	33 32 4.90	43.845	+ 36.0	63.2	10 36 48.00	+ 65.04	5 19 6.8	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						/ //	/ //		/ //	
26 6 40	29.840	75.8	74.4	5.	Bisections at II, VI.				5	+ 0.8	+ 9.9	.	+ 10.7
7 19	29.826	76.2	74.9	6.	Bisections at I, VII.				6	+ 0.8	- 9.8	.	- 9.0
15 32	29.864	71.4	68.7	10, 26, 32, 34, 39.	Bisections at VI, VII.				14	+ 5.4	- 13.2	.	- 7.8
16 23	29.866	69.8	68.1	15, 35, 38.	Bisections at I, II.				21	+ 5.2	- 12.9	.	- 7.7
29 3 2	29.703	82.8	83.5	21.	Z. D. thread A used.				26	+ 2.4	+ 15 45.2	.	+ 15 47.6
4 20	29.711	87.4	86.0	24.	Bisections at II, VII.				33	+ 5.0	- 12.7	.	- 7.7
5 15	29.717	89.6	87.4	27.	Bisection at VII.				37	+ 2.0	.	0.0	+ 2.0
9 46	29.689	92.0	90.8	40.	Bisections at I, VI, VII.				38	+ 2.3	- 15 44.8	.	- 15 42.5
10 10	29.690	92.2	91.1	43.	Bisections at II, III, IV, V, VI.				39	+ 2.4	+ 15 44.9	.	+ 15 47.3
1 3 35	29.640	78.2	76.7						43	+ 31 31.3	- 15 38.9	.	+ 15 52.4
4 30	29.638	80.3	79.3										
5 31	29.650	84.6	83.0										
2 6 49	29.654	87.0	86.1										
7 39	29.650	88.6	87.2										
8 37	29.646	90.0	88.9										
3 36	29.820	81.2	79.9										
4 25	29.836	83.2	81.4										
5 25	29.844	85.6	83.8										
6 0	29.846	87.0	85.7										
3 6 53	29.852	88.0	86.5										
7 25	29.852	89.2	88.0										
4 9 56	29.988	86.5	86.5										
11 4	29.979	86.5	86.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Leonis	11	44 22.19	- 0.33	-31.34	23 42 6.25	45.610	+ 23.9	63.4	11 43 . . .	.	.	.
2	α Canis Venat.	11	51 46.80	- 0.34	-31.33	359 58 4.55	47.753	0.0	62.5	12 51 . . .	.	.	.
3	α Virginis	11	20 20.38	- 0.36	-31.44	49 28 5.82	45.082	+ 1 3.7	63.8	13 19 . . .	.	.	.
4	α Ursæ Minoris S. P. July 5, Br.	6	21 37.92	+ 7.28	[-31.39]	307 38 3.95	45.085	- 1 10.3	[64.0]	1 21 . . .	.	.	.
5	α Leonis	11	3 27.03	- 0.41	-31.71	22 26 6.00	47.388	+ 26.8	64.5	10 2 . . .	.	.	.
6	γ^1 Leonis	11	14 51.65	- 0.40	-31.75	18 30 5.90	42.965	+ 18.0	63.3	10 14 . . .	.	.	.
7	δ Leonis	11	9 12.07	- 0.39	-31.75	17 46 5.98	44.540	+ 17.3	63.3	11 8 . . .	.	.	.
8	δ Crateris	11	14 45.45	- 0.47	-31.82	53 4 9.70	43.861	+ 1 11.4	63.7	11 14 . . .	.	.	.
9	Moon I, N.	11	26 47.44	- 0.44	-31.75	39 48 7.02	49.312	+ 44.8	63.7	11 26 15.25	+65.42	- 0 58 48.5	.
10	β Leonis	11	44 22.65	- 0.40	-31.74	23 42 6.95	45.584	+ 23.6	63.3	11 43 . . .	.	.	.
11	η Virginis	11	15 12.55	- 0.43	-31.72	38 56 9.18	46.446	+ 43.4	64.0	12 14 . . .	.	.	.
12	α Ursæ Minoris S. P. July 5, L.	10	21 41.57	+ 4.94	[-31.72]	307 38 3.88	44.925	- 1 9.8	[63.3]	1 21 . . .	.	.	.
13	Venus II, N.	11	50 59.61	- 0.34	-32.16	22 9 59.10	47.875	+ 22.5	63.3	3 50 27.11	- 0.85	+ 16 40 8.7	.
14	α Tauri	11	30 34.60	- 0.34	-32.14	22 32 0.90	47.314	+ 22.8	62.8	4 30 . . .	.	.	.
15	β Tauri	11	20 20.87	- 0.35	-32.13	10 20 4.40	44.579	+ 10.0	63.1	5 19 . . .	.	.	.
16	δ Orionis	11	27 18.37	- 0.35	-32.19	39 12 3.98	48.101	+ 44.4	63.2	5 26 . . .	.	.	.
17	ϵ Orionis	11	31 32.95	- 0.35	-32.24	40 6 4.40	46.805	+ 45.8	[67.9]	5 31 . . .	.	.	.
18	α Orionis	11	50 9.50	- 0.34	-32.16	31 28 4.05	43.186	+ 33.2	63.2	5 49 . . .	.	.	.
19	Mercury C, C. July 6, L.	11	17 50.47	- 0.34	-32.18	15 10 2.18	48.651	+ 14.7	63.3	6 17 17.95	- 0.02	+ 23 39 58.5	.
20	Sun I, S.	11	3 44.06	- 0.34	-32.19	16 28 4.28	48.365	+ 16.0	63.3	7 3 11.53	+68.47	+ 22 22 1.9	.
21	Sun II, N.	11	6 1.00	- 0.34	-32.19	15 58 9.50	43.355	+ 15.5	63.3	7 5 28.47	-68.47	+ 22 53 30.7	.
22	β Geminorum	11	39 34.89	- 0.35	-32.20	10 34 1.80	47.156	+ 10.1	62.4	7 39 . . .	.	.	.
23	α Hydræ	11	23 5.42	- 0.36	-32.27	47 4 3.12	42.805	+ 57.7	63.9	9 22 . . .	.	.	.
24	α Leonis	11	3 27.45	- 0.34	-32.20	26 22 3.32	47.516	+ 26.6	64.1	10 2 . . .	.	.	.
25	γ^1 Leonis	11	14 52.02	- 0.34	-32.19	18 30 2.20	43.170	+ 18.0	63.5	10 14 . . .	.	.	.
26	α Virginis	11	0 32.45	- 0.34	-32.18	29 32 3.25	47.318	+ 30.5	63.6	11 59 . . .	.	.	.
27	γ Corvi	11	11 5.22	- 0.37	-32.29	55 48 2.80	46.870	+ 1 18.9	63.5	12 10 . . .	.	.	.
28	Moon I, N.	9	17 21.28	- 0.36	-32.27	46 12 56.01	43.950	+ 56.0	63.3	12 16 48.65	+66.64	7 22 6.3	.
29	β Corvi July 6, S.	11	29 33.45	- 0.39	-32.35	61 40 2.65	44.082	+ 1 39.4	63.4	12 29 . . .	.	.	.
30	β Orionis	5	9 54.09	- 0.29	-17.46	47 10 6.60	43.028	+ 59.0	64.3	5 9 . . .	.	.	.
31	β Tauri	11	20 5.94	- 0.33	-17.20	10 20 5.62	44.525	+ 10.0	63.3	5 19 . . .	.	.	.
32	ϵ Orionis	11	31 17.98	- 0.29	-17.31	40 6 6.02	46.482	+ 46.0	63.7	5 31 . . .	.	.	.
33	α Orionis	11	49 54.71	- 0.29	-17.40	31 28 5.98	43.085	+ 33.4	63.5	5 49 . . .	.	.	.
34	Mercury C, C.	11	26 37.54	- 0.32	-17.39	15 4 5.35	48.362	+ 14.7	63.7	6 26 19.83	- 0.02	+ 23 46 1.3	.
35	α Canis Majoris July 7, S.	11	40 55.11	- 0.30	-17.50	55 24 4.78	46.448	+ 1 18.6	63.9	6 40 . . .	.	.	.
36	Sun I, N.	11	7 35.48	- 0.31	-17.41	16 4 10.22	45.045	+ 15.7	63.7	7 7 17.76	+68.39	+ 22 47 0.3	.
37	Sun II, S.	11	9 52.26	- 0.31	-17.41	16 36 5.48	43.560	+ 16.2	63.7	7 9 34.54	-68.39	+ 22 15 30.5	.
38	ϵ Bootis	11	40 50.05	- 0.32	-17.51	11 20 9.15	47.081	+ 11.2	63.6	14 40 . . .	.	.	.
39	α^2 Libræ July 7, L.	11	45 31.89	- 0.29	-17.64	54 26 1.10	48.850	+ 1 17.5	64.1	14 45 . . .	.	.	.
40	ϵ Tauri	11	22 56.21	- 0.35	-18.11	19 54 3.40	44.275	+ 20.0	63.5	4 22 . . .	.	.	.
41	α Tauri	11	30 20.72	- 0.35	-18.19	22 32 2.60	47.219	+ 22.9	63.0	4 30 . . .	.	.	.
42	μ Geminorum July 8, L.	5	17 3.74	- 0.35	-18.13	16 18 . . .	.	.	.	6 16 . . .	.	.	.
43	Sun I, S.	11	11 42.23	- 0.35	-18.28	16 42 6.68	46.385	+ 16.5	63.4	7 11 23.60	+68.43	+ 22 8 37.0	.

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
4	12	57	29.957	84.3	85.9	2.	Bisections at II, VI, VII.	9	+36 56.7	-15 48.4	.	+21 8.3
5	13	31	29.962	83.0	82.9	3, 20, 36, 43.	Bisections at I, II.	13	+ 4.7	- 12.3	.	7.6
	9	54	29.900	89.0	88.8	4.	Bisections at D ₃ , D ₂ , D ₁ .	19	+ 1.8	.	0.0	+ 1.8
	10	35	29.890	88.5	89.0	6.	Bisections at II, VI.	20	+ 2.4	+15 44.4	.	+15 46.8
	12	0	29.868	87.5	89.9	9, 28.	Bisections at III, IV, V.	21	+ 2.4	-15 44.4	.	15 42.0
	12	36	29.860	87.5	89.1	12.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	28	+42 5.3	-15 58.0	.	+26 7.3
	13	37	29.854	84.5	85.0	17.	Bisections at I, VII.	34	+ 1.8	.	0.0	+ 1.8
	3	59	29.882	80.2	78.3	21, 29, 30, 37, 39.	Bisections at VI, VII.	36	+ 2.4	-15 44.9	.	15 42.5
	4	31	29.890	82.6	79.7	35.	Bisections at I, II, VI.	37	+ 2.5	+15 44.8	.	+15 47.3
	5	9	29.900	84.6	84.1			43	+ 2.5	+15 45.3	.	+15 47.8
	5	32	29.900	85.6	84.1							
	5	50	29.902	86.0	85.2							
	6	18	29.902	87.0	86.2							
6	7	6	29.890	87.0	87.4							
	7	39	29.888	88.1	88.0							
	9	23	29.876	94.8	90.0							
	10	3	29.862	90.1	90.7							
	10	14	29.860	89.9	90.9							
	12	0	29.852	88.9	90.0							
	12	17	29.852	88.6	89.9							
	13	15	29.848	87.3	87.5							
	5	14	29.932	81.9	81.1							
	5	56	29.939	85.0	84.1							
	6	32	29.936	85.9	85.0							
7	7	9	29.930	87.0	86.0							
	15	1	29.910	76.8	73.9							
	4	22	29.950	79.5	77.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun II, N.	11	13 59.09	-0.35	-18.28	16 10 4.70	47.912	+ 15.9	63.4	7 13 40.46	-68.43	+ 22 40 7.8	"
2	α Canis Minoris . .	11	34 14.63	-0.35	-18.39	33 22 1.90	43.348	+ 36.0	63.8	7 33 . .			
3	α Hydræ	11	22 51.60	-0.37	-18.44	47 4 5.75	42.580	+ 58.5	63.3	9 22 . .			
4	ε Leonis	11	40 20.79	-0.35	-18.38	14 36 1.78	45.925	+ 14.2	63.2	9 40 . .			
5	μ Leonis	11	47 14.87	-0.35	-18.39	12 22 3.72	44.008	+ 12.0	63.5	9 46 . .			
6	9 H. Draconis . . .	8	26 41.60	-0.91	[-18.15]	322 38 . .				10 26 . .			
7	α Virginis	11	20 7.45	-0.51	-18.40	49 28 8.45	44.860	+ 1 3.6	63.6	13 19 . .			
8	α Ursæ Minoris S. P.	7	21 32.47	+ 3.97	[-18.41]	307 37 58.58	45.322	- 1 10.2	[64.8]	1 21 . .			
9	7 Bootis	11	50 8.33	-0.43	-18.37	19 56 3.68	45.908	+ 19.9	61.5	13 49 . .			
10	Moon I, N.	11	6 50.47	-0.55	-18.44	57 54 3.98	45.466	+ 1 27.3	62.8	14 6 31.48	+ 71.41	- 19 4 15.1	
11	α Bootis	11	11 19.43	-0.43	-18.46	19 8 5.15	45.086	+ 19.1	62.5	14 11 . .			
12	ε Bootis	11	40 51.07	-0.42	-18.44	11 22 5.52	40.947	+ 11.1	63.0	14 40 . .			
13	α² Libræ	11	45 33.00	-0.53	-18.52	54 28 5.62	42.420	+ 1 17.0	63.4	14 45 . .			
July 8, K.													
14	Venus II, N.	11	2 25.97	-0.36	-18.82	21 34 3.60	33.421	+ 21.8	62.9	4 2 6.79	-0.83	+ 17 17 26.5	
15	α Tauri	11	30 21.47	-0.36	-18.91	22 32 4.35	47.125	+ 22.8	62.9	4 30 . .			
16	ι Aurigæ	11	50 38.06	-0.37	-18.85	5 50 3.05	48.136	+ 5.7	63.0	4 50 . .			
17	β Orionis	11	9 55.68	-0.39	-18.90	47 10 4.15	43.181	+ 59.0	63.8	5 9 . .			
18	β Tauri	11	20 7.75	-0.36	-18.93	10 20 3.68	44.588	+ 10.0	63.1	5 19 . .			
19	Mercury C, C. . . .	11	45 5.62	-0.36	-19.05	14 59 59.50	47.378	+ 14.7	63.8	6 44 46.21	-0.01	+ 23 50 24.7	
July 9, K.													
20	Sun I, N.	11	15 48.53	-0.36	-19.10	16 18 3.58	45.918	+ 16.0	64.0	7 15 29.07	+ 68.31	+ 22 32 50.2	
21	Sun II, S.	11	18 5.14	-0.36	-19.10	16 50 10.32	43.748	+ 16.5	64.0	7 17 45.68	-68.30	+ 22 1 22.1	
22	α Canis Minoris . .	11	34 15.54	-0.37	-19.27	33 22 5.72	43.192	+ 35.8	64.5	7 33 . .			
23	β Geminorum	11	39 21.88	-0.36	-19.15	10 34 4.78	47.086	+ 10.2	64.0	7 39 . .			
24	ε Hydræ	7	41 40.10	-0.37	-19.05	32 2 4.88	48.300	+ 33.9	64.3	8 41 . .			
25	ι Ursæ Majoris . . .	11	52 30.58	-0.40	[-18.96]	350 24 5.20	47.170	- 9.1	[62.8]	8 52 . .			
July 9, I.A.													
26	Venus II, N.	2	6 24.46	-0.39	-19.78	21 20 7.62	49.205	+ 21.4	63.4	4 6 4.29	-0.82	+ 17 29 37.6	
27	ι Aurigæ	11	50 39.04	-0.40	-19.78	5 50 0.58	48.218	+ 5.6	63.3	4 50 . .			
28	α Aurigæ	11	9 26.80	-0.43	[-19.80]	352 58 2.70	44.512	- 6.5	63.1	5 9 . .			
29	β Tauri	10	20 8.72	-0.39	-19.84	10 20 3.65	44.633	+ 10.0	63.8	5 19 . .			
July 11, S.													
30	α Ursæ Minoris S. P.	5	21 36.16	+ 5.87	[-20.53]	307 38 7.65	44.854	- 1 9.8	[63.7]	1 21 . .			
31	η Bootis	11	50 10.33	-0.36	-20.48	19 56 5.58	45.881	+ 19.7	62.8	13 49 . .			
32	ρ Bootis	11	27 47.11	-0.36	-20.50	8 2 4.70	44.569	+ 7.8	63.1	14 27 . .			
33	δ Scorpil	11	54 39.47	-0.44	-20.77	61 10 6.02	43.950	+ 1 39.3	64.2	15 54 . .			
34	β Scorpil	11	59 51.61	-0.43	-20.66	58 22 4.90	43.501	+ 1 28.8	63.3	15 59 . .			
35	δ Ophiuchi	11	9 21.35	-0.38	-20.65	42 16 6.35	46.197	+ 49.8	62.6	16 9 . .			
36	α Scorpil	11	23 30.59	-0.45	-20.65	65 2 5.82	44.421	+ 1 57.2	62.7	16 23 . .			
37	δ Ophiuchi	11	20 30.32	-0.44	-20.89	62 54 5.85	46.795	+ 1 47.0	64.4	17 20 . .			
38	Moon I, S.	11	22 17.46	-0.47	-20.83	66 52 3.15	48.295	+ 2 7.9	63.3	17 21 56.16	+ 77.27	- 28 3 48.5	
July 11, Br.													
39	Venus N.					20 58 6.25	43.315	+ 20.8	62.6	4 14 . .		+ 17 53 30.0	
40	α Tauri	11	30 23.72	-0.36	[-21.08]	22 32 7.52	46.930	+ 22.5	62.4	4 30 . .			
41	ι Aurigæ	11	50 40.36	-0.37	[-21.07]	5 50 5.08	48.028	+ 5.6	62.8	4 50 . .			
42	β Tauri	11	20 9.98	-0.37	[-21.07]	10 20 5.98	44.475	+ 9.9	62.6	5 19 . .			
July 12, L.													
43	β Orionis	7	9 58.69	-0.36	-21.86	47 10 3.58	43.071	+ 59.1	61.9	5 9 . .			
44	α Orionis	5	49 59.29	-0.33	-21.83	31 28 . .				5 49 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
8 7 13	29.950	84.0	81.1	1, 19, 21, 27.	Bisections at VI, VII.	1	+ 2.4	-15 45.4		-15 43.0
7 34	29.950	83.2	82.0	8.	Bisections at C ₂ , C ₁ .	10	+ 50 20.7	-16 15.7		+ 34 5.0
9 22	29.910	83.8	83.0	10, 38.	Bisections at II, III, IV, V, VI.	14	+ 4.5	- 11.8		- 7.3
9 40	29.910	84.2	83.1	12, 18, 35.	Bisections at II, VI, VII.	19	+ 1.8		0.0	+ 1.8
9 47	29.914	84.8	83.4	14.	Z. D. thread A used.	20	+ 2.4	-15 44.0		-15 41.6
13 50	29.896	81.6	81.1	20, 26, 37.	Bisections at I, II.	21	+ 2.5	+ 15 44.0		+ 15 46.5
14 11	29.892	80.1	79.2	24.	Bisections at I, II, VI.	26	+ 4.4	- 11.7		- 7.3
14 45	29.884	78.6	77.3	29.	Bisections at I, VI, VII.	38	+ 55 18.0	+ 16 26.7		+ 71 44.7
4 5	29.856	78.5	77.1	30.	Bisections at C ₂ , C ₁ , B ₃ , B ₁ .	39	+ 4.2	- 11.5		- 7.3
4 30	29.850	79.4	78.0							
5 20	29.854	81.0	79.9							
6 45	29.835	83.0	82.2							
7 18	29.832	83.8	83.0							
7 34	29.834	84.0	83.1							
8 46	29.826	85.8	85.3							
4 0	29.800	78.2	78.7							
4 50	29.806	81.7	80.9							
11 13 34	29.587	80.8	80.1							
14 38	29.580	77.8	75.9							
15 51	29.583	76.1	74.4							
17 35	29.562	74.5	73.1							
4 10	29.518	79.5	79.0							
4 46	29.524	81.0	80.3							
5 42	29.520	83.0	82.2							
12 5 9	29.526	74.9	72.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instru- ment.	Clock.								
July 13, L.														
1	Sun I	II	32	8.73	— 0.31	—21.92	17 6 . .	rev.	/	//	//	h m s	° / //	//
2	Sun II.	IO	34	24.77	— 0.31	—21.93					7 31 46.50	+68.02		
3	α Ursæ Majoris.	6	57	46.98	— 0.39	[—22.14]	336 34 . .				10 57 . .			
4	δ Crateris	II	14	35.51	— 0.38	—22.04	53 4 . .				II 14 . .			
5	d Sagittarii.	II	12	3.58	— 0.36	—22.35	57 58 5.85	44.894	+ I	28.1	62.4	19 11 . .		
6	δ Aquilæ	II	20	44.74	— 0.31	—22.28	35 56 7.35	44.982	+	40.1	62.8	19 20 . .		
7	λ Ursæ Minoris.	4	26	35.85	— 8.02	[—22.32]	309 53 58.58	43.855	— I	5.8	[63.8]	19 26 . .		
8	Moon I	II	35	54.15	— 0.38	—22.33	62 34 . .				19 35 31.44	+73.67		
July 13, K.														
9	Venus II, N.	II	22	37.65	— 0.35	—22.39	20 34 4.78	35.770	+	20.8	63.4	4 22 14.91	— 0.79	+ 18 16 41.8
10	α Tauri	II	30	25.05	— 0.36	—22.34	22 32 5.55	47.026	+	22.9	62.7	4 30 . .		
11	z Aurigæ	II	50	41.71	— 0.35	—22.38	5 50 2.85	48.132	+	5.7	62.6	4 50 . .		
12	β Orionis	II	9	59.35	— 0.40	—22.45	47 10 4.32	43.138	+	59.3	64.3	5 9 . .		
13	β Tauri	II	20	11.37	— 0.35	—22.43	10 20 3.05	44.605	+	10.1	62.5	5 19 . .		
July 14, K.														
14	Sun I, N.	II	36	12.42	— 0.35	—22.46	17 0 12.62	45.468	+	16.8	63.4	7 35 49.61	+68.01	+ 21 50 48.3
15	Sun II, S.	II	38	28.44	— 0.35	—22.46	17 32 11.45	43.960	+	17.3	63.4	7 38 5.63	—68.01	+ 21 19 15.5
16	α Leonis	IO	3	17.77	— 0.36	—22.52	26 22 7.85	47.262	+	27.0	64.2	10 2 . .		
17	γ ¹ Leonis	4	14	42.33	— 0.35	—22.52	18 30 4.00	43.025	+	18.2	63.9	10 14 . .		
18	α Capricorni	II	12	47.95	— 0.41	—22.98	51 42 4.40	44.528	+ I	11.1	62.3	20 12 . .		
19	π Capricorni	II	21	53.27	— 0.44	—22.97	57 22 5.15	47.086	+ I	27.7	63.2	20 21 . .		
20	ε Delphini	II	28	44.42	— 0.34	—22.89	27 54 5.35	43.391	+	29.8	61.6	20 28 . .		
21	Moon II, N.	II	38	46.88	— 0.45	—22.96	57 52 5.40	44.706	+ I	29.5	62.0	20 38 23.47	—70.54	— 19 2 4.9
22	μ Aquarii	II	47	33.28	— 0.40	—22.95	48 12 4.10	45.845	+ I	3.0	61.1	20 47 . .		
23	12 Year Cat. 1879	II	52	42.50	— 0.41	[—22.47]	318 42 4.75	45.511	—	49.3	[62.4]	20 52 . .		
July 14, La.														
24	γ Tauri	IO	14	21.17	— 0.39	—23.08	23 28 6.62	44.881	+	24.3	61.4	4 13 . .		
25	ε Tauri	II	23	1.36	— 0.38	—23.04	19 54 6.95	43.950	+	20.2	61.5	4 22 . .		
26	Venus II, N.	II	26	46.04	— 0.38	—23.07	20 22 3.10	48.300	+	20.8	62.2	4 26 22.59	— 0.78	+ 18 27 57.2
27	α Tauri	II	30	25.84	— 0.38	—23.09	22 32 8.70	46.795	+	23.2	62.4	4 30 . .		
28	z Aurigæ	II	50	42.45	— 0.36	—23.08	5 50 5.72	48.012	+	5.8	63.3	4 50 . .		
29	ε Ursæ Minoris s. p.	5	56	56.64	+ 0.33	[—22.45]	301 6 . .				16 56 . .			
July 15, La.														
30	Sun I, N.	II	40	15.84	— 0.38	—23.14	17 8 8.48	50.468	+	17.1	62.2	7 39 52.32	+67.88	+ 21 41 15.1
31	Sun II, S.	II	42	31.59	— 0.38	—23.14	17 40 9.60	48.670	+	17.6	62.2	7 42 8.07	—67.87	+ 21 9 45.5
32	z Ursæ Majoris	II	52	34.65	— 0.35	[—23.06]	350 24 3.52	47.229	—	9.2	[61.1]	8 52 . .		
33	α Hydræ	II	22	56.46	— 0.45	—23.23	47 4 5.28	42.466	+	59.0	62.0	9 22 . .		
34	α Leonis	II	3	18.45	— 0.39	—23.18	26 22 6.88	47.212	+	27.3	62.6	10 2 . .		
35	γ ¹ Leonis	IO	14	42.97	— 0.38	—23.13	18 30 5.48	42.914	+	18.4	62.1	10 14 . .		
36	1 Pegasi	II	17	46.40	— 0.34	—23.20	19 28 1.65	48.298	+	19.9	61.9	21 17 . .		
37	β Aquarii	IO	26	35.74	— 0.42	—23.26	44 52 8.02	43.530	+	55.9	61.5	21 26 . .		
38	Moon II, N.	II	34	13.92	— 0.46	—23.24	52 26 3.18	48.325	+ I	13.0	61.6	21 33 50.22	—67.56	— 13 36 56.0
39	ε Pegasi	II	39	34.75	— 0.37	—23.20	29 26 3.48	46.375	+	31.7	61.4	21 39 . .		
40	μ Capricorni	IO	48	8.51	— 0.45	—23.28	52 51 58.65	45.319	+ I	14.2	61.6	21 47 . .		
41	9 H. Draconis s. p.	IO	26	45.38	0.00	[—23.16]	295 8 2.78	44.900	— I	58.7	[61.6]	10 26 . .		
July 18, S.														
42	ω Piscium	II	54	30.46	— 0.35	—25.65	32 32 6.10	47.530	+	36.2	62.1	23 54 . .		
43	Moon II, N.	II	0	25.60	— 0.37	—25.63	34 28 6.98	47.885	+	38.9	62.1	23 59 59.60	—62.95	+ 4 21 43.2
44	12 Ceti	5	25	15.98	— 0.38	—25.61	43 22 6.70	43.865	+	53.5	62.1	0 24 . .		

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI. VII, except as noted below.	No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°			' "	' "	"	' "
13 7 34	29.530	80.2	79.2	7. Bisections at C ₂ , C ₃ , C ₄ .	9	+ 4.0	— 11.2	.	— 7.2
19 12	29.528	72.0	69.4	9. Z. D. thread A used.	14	+ 2.5	— 15 46.4	.	— 15 43.9
4 22	29.648	74.0	72.0	14, 30, 44. Bisections at I, II.	15	+ 2.6	+ 15 46.3	.	+ 15 48.9
5 20	29.660	76.0	74.2	15, 17, 31, 37. Bisections at VI, VII.	21	+ 49 45.4	— 16 4.7	.	+ 33 40.7
14 7 38	29.684	79.0	78.1	21, 38, 43. Bisections at II, III, IV, V, VI.	26	+ 4.0	— 11.1	.	— 7.1
10 3	29.668	61.8	80.3	23. Bisections at II, III, V, VI.	30	+ 2.5	— 15 44.8	.	— 15 42.3
20 12	29.800	68.0	65.3	27. Bisections at II, VI, VII.	31	+ 2.6	+ 15 44.7	.	+ 15 47.3
20 58	29.816	66.8	64.2	41. Bisections at V, IV, III.	38	+ 45 56.5	— 15 51.7	.	+ 30 4.8
4 14	29.932	72.8	70.8		43	+ 31 23.1	— 15 11.9	.	+ 16 11.2
5 5	29.942	74.6	72.9					.	
15 7 42	29.956	78.5	77.4					.	
8 52	29.948	81.8	80.1					.	
9 45	29.954	81.8	79.8					.	
10 14	29.952	83.6	80.0					.	
21 17	29.922	71.2	67.8					.	
22 22	29.928	69.8	67.2					.	
18 0 5	30.080	68.3	66.1					.	
1 8	30.083	68.8	66.9					.	
				5 to 8. Change of temperature, etc., derived from the Met. Journal.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
July 21, S.													
1	β Andromedæ . . .	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	α Ursæ Minoris . . .	5	21 52.20	- 0.33	-13.92	3 46 4.40	47.043	+ 3.7	62.5	1 4 .	.	.	.
3	β Arietis . . .	11	49 13.82	- 0.32	-13.87	3 10 6 0.90	48.200	+ 5.6	[62.8]	1 21 .	.	.	.
4	α Arietis . . .	11	1 38.82	- 0.32	-13.89	18 32 6.68	46.464	+ 18.7	61.8	1 48 .	.	.	.
5	ξ Ceti . . .	11	7 49.18	- 0.33	-13.90	15 52 5.92	45.865	+ 15.8	60.8	2 1 .	.	.	.
6	Moon II, N. . .	11	21 13.16	- 0.34	-13.86	30 28 6.78	46.858	+ 32.7	61.1	2 7 .	.	.	.
7	γ Ceti . . .	11	38 14.33	- 0.34	-13.87	19 22 6.50	43.606	+ 19.6	61.7	2 20 58.96	-65.06	+ 19 29 24.6	.
July 21, L.													
8	α Aurigæ . . .	9	50 33.50	- 0.40	-13.87	36 2 6.80	45.580	+ 40.3	62.1	2 38 .	.	.	.
9	Venus II, N. . .	10	56 22.79	- 0.39	-13.88					4 50 .	.	.	.
10	α Aurigæ . . .	8	9 21.27	- 0.42	-13.87	19 12 4.82	43.532	+ 19.2	63.3	4 56 8.52	- 0.74	+ 19 39 29.5	.
11	β Orionis . . .	8	9 50.98	- 0.42	-13.87	352 58 .				5 9 .	.	.	.
12	β Tauri . . .	11	20 3.05	- 0.39	-13.85	47 10 3.68	42.955	+ 59.2	62.9	5 9 .	.	.	.
13	ϵ Orionis . . .	11	31 14.98	- 0.41	-13.86	10 20 3.92	44.559	+ 10.1	62.4	5 19 .	.	.	.
14	μ Geminorum . . .	11	16 59.73	- 0.39	-13.80	40 6 5.15	46.368	+ 46.2	63.0	5 31 .	.	.	.
15	γ Geminorum . . .	11	32 1.52	- 0.39	-13.77	16 18 5.68	41.878	+ 16.0	63.1	6 16 .	.	.	.
16	α Canis Minoris . . .	11	34 10.22	- 0.40	-13.77	22 22 8.45	43.802	+ 22.5	63.9	6 31 .	.	.	.
July 22, L.													
17	Sun I, S. . .	11	8 10.41	- 0.39	-13.67	33 22 6.98	43.019	+ 35.9	63.3	7 33 .	.	.	.
18	Sun II, N. . .	11	10 25.17	- 0.39	-13.67	18 58 9.62	44.962	+ 18.7	63.3	8 7 56.35	+67.38	+ 19 52 59.0	.
19	Mercury C, C. . .	10	42 48.61	- 0.39	-13.63	18 26 7.42	46.485	+ 18.2	63.3	8 10 11.11	-67.38	+ 20 24 30.2	.
20	α Hydræ . . .	11	22 46.85	- 0.42	-13.63	18 46 5.58	45.165	+ 18.5	63.3	8 42 34.59	+ 0.01	+ 20 4 58.2	.
21	ϵ Leonis . . .	7	40 16.00	- 0.39	-13.54	18 46 5.58	45.165	+ 18.5	63.3	9 22 .	.	.	.
22	μ Leonis . . .	11	47 10.11	- 0.39	-13.58	47 4 5.72	42.532	+ 58.3	63.8	9 22 .	.	.	.
23	α Leonis . . .	8	3 8.77	- 0.39	-13.50	14 36 5.20	45.780	+ 14.2	63.2	9 40 .	.	.	.
24	α Ursæ Minoris . . .	7	21 50.37	- 4.74	-12.55	12 22 .				9 46 .	.	.	.
25	η Piscium . . .	8	26 13.95	- 0.33	-12.57	26 22 6.52	47.328	+ 26.9	64.1	10 2 .	.	.	.
26	α Arietis . . .	11	1 37.47	- 0.32	-12.51	24 2 .				1 26 .	.	.	.
27	ξ Ceti . . .	11	22 56.28	- 0.34	-12.52	15 52 5.72	45.920	+ 15.9	61.9	2 1 .	.	.	.
28	α Ceti . . .	10	57 8.80	- 0.35	-12.48	30 50 6.15	46.731	+ 33.3	62.9	2 22 .	.	.	.
29	Moon II, N. . .	11	11 30.24	- 0.33	-12.45	35 10 7.85	42.463	+ 39.1	63.4	2 56 .	.	.	.
30	η Tauri . . .	11	41 36.65	- 0.32	-12.40	15 50 6.55	41.115	+ 15.7	62.6	3 11 17.46	-66.60	+ 23 2 17.1	.
July 22, K.													
31	α Aurigæ . . .	11	50 31.72	- 0.40	-12.06	15 4 6.05	44.006	+ 14.9	62.0	3 41 .	.	.	.
32	Venus II, N. . .	11	0 43.23	- 0.39	-12.10						.	.	.
33	β Orionis . . .	11	9 49.30	- 0.42	-12.16	19 2 1.30	36.736	+ 18.9	64.2	5 0 30.74	- 0.73	+ 19 48 29.4	.
34	β Tauri . . .	11	20 1.25	- 0.39	-12.02	10 20 2.50	44.721	+ 10.0	64.0	5 19 .	.	.	.
35	δ Orionis . . .	11	26 58.73	- 0.40	-12.12	39 12 3.62	48.042	+ 44.4	64.2	5 26 .	.	.	.
36	δ Ursæ Minoris S. P. . .	8	5 42.53	+ 2.48	-10.47	305 30 0.68	43.583	- 15.5	[64.7]	18 5 .	.	.	.
July 23, K.													
37	Sun I, N. . .	11	12 7.16	- 0.39	-11.92	18 38 2.92	47.942	+ 18.2	65.9	8 11 54.85	+67.27	+ 20 12 11.6	.
38	Sun II, S. . .	11	14 21.71	- 0.39	-11.92	19 10 1.92	46.445	+ 18.7	65.9	8 14 9.40	-67.28	+ 19 40 38.6	.
39	Mercury C, C. . .	11	50 57.23	- 0.39	-11.88	19 18 3.45	45.742	+ 18.8	66.3	8 50 44.96	+ 0.01	+ 19 32 51.9	.
40	ϵ Leonis . . .	11	40 14.32	- 0.39	-11.86	14 36 4.02	45.975	+ 14.0	65.4	9 40 .	.	.	.
41	α Leonis . . .	11	3 7.01	- 0.39	-11.74	26 22 1.85	47.841	+ 26.5	68.8	10 2 .	.	.	.
42	γ Leonis . . .	3	14 31.69	- 0.39	-11.85	18 29 59.92	43.420	+ 17.9	66.5	10 14 .	.	.	.
July 23, La.													
43	ζ Persei . . .	11	47 52.61	- 0.36	-10.50	7 16 1.08	46.586	+ 7.0	64.1	3 47 .	.	.	.
44	Moon II. . .	11	4 9.33	- 0.36	-10.49	13 34 .				4 3 58.48	-68.10	.	.
45	γ Tauri . . .	11	14 8.84	- 0.35	-10.52	23 28 6.28	45.010	+ 23.8	63.9	4 13 .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°						' "	' "	"	' "
21	1 30	29.754	72.2	70.8					6	+17 52.1	-14 49.4	.	+ 3 2.7
	2 30	29.776	74.0	72.1					9	+ 3.5	- 10.4	.	- 6.9
	2 44	29.776	74.4	72.3					17	+ 2.8	+15 45.6	.	+15 48.4
	4 56	29.810	78.9	77.1					18	+ 2.7	-15 45.5	.	-15 42.8
	5 20	29.816	79.3	78.1					19	+ 2.1	.	0.0	+ 2.1
	5 37	29.814	80.0	78.3					29	+14 38.3	-14 47.7	.	- 0 9.4
	6 16	29.822	80.9	79.7					32	+ 3.4	- 10.3	.	- 6.9
	6 32	29.824	81.2	80.1					37	+ 2.8	-15 46.5	.	-15 43.7
	7 34	29.828	83.4	82.1					38	+ 2.8	+15 46.5	.	+15 49.3
	8 10	29.822	83.0	82.3					39	+ 2.2	.	0.0	+ 2.2
22	8 42	29.820	82.9	82.0									
	9 22	29.818	83.9	83.2									
	10 3	29.812	85.9	84.5									
	1 21	29.712	70.3	68.0									
	2 1	29.694	69.4	67.5									
	3 41	29.708	73.9	73.1									
	4 50	29.710	79.0	78.5									
	5 26	29.708	81.3	81.0									
	6 11	29.712	84.0	83.2									
23	8 14	29.680	87.2	87.2									
	8 50	29.660	88.2	88.0									
	9 40	29.634	89.8	88.9									
	10 14	29.608	90.0	88.8									
	3 47	29.664	77.3	77.3									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ϵ Tauri	II	22 49.01	- 0.35	-10.45	19 54 4.62	44.208	+ 19.8	63.5	4 22 . .	. .		. .
2	α Tauri	II	30 13.43	- 0.35	-10.45	22 32 3.25	47.168	+ 22.8	64.1	4 30 . .	. .		. .
3	ϵ Ursæ Minoris S. P.	9	56 42.55	+ 1.18	[-10.40]	301 6 3.52	43.050	- 1 30.0	[64.6]	16 56 . .	. .		. .
July 24, La.													
4	Sun I, S.	II	16 3.22	- 0.35	-10.20	19 22 6.98	48.325	+ 19.1	64.6	8 15 52.67	+67.19	+ 19 27 58.0	. .
5	Sun II, N.	II	18 17.59	- 0.35	-10.20	18 50 9.92	49.535	+ 18.6	64.6	8 18 7.04	-67.18	+ 19 59 30.1	. .
6	Mercury C, C.	II	58 55.42	- 0.35	-10.16	19 52 3.95	44.080	+ 19.6	64.7	8 58 44.91	+ 0.01	+ 18 59 20.7	. .
7	α Hydræ	9	22 43.29	- 0.37	-10.11	47 4 5.12	42.585	+ 58.0	65.5	9 22 . .	. .		. .
8	ϵ Leonis	IO	40 12.55	- 0.35	-10.12	14 36 3.65	45.840	+ 14.1	64.0	9 40 . .	. .		. .
9	α Leonis	II	3 5.27	- 0.35	-10.03	26 22 3.58	47.550	+ 26.8	65.4	10 2 . .	. .		. .
10	γ^1 Leonis	IO	14 29.93	- 0.35	-10.13	18 30 4.68	43.125	+ 18.1	64.7	10 14 . .	. .		. .
July 24, S.													
11	ϵ Piscium	II	57 48.13	- 0.27	- 9.04	31 30 5.85	45.942	+ 34.0	63.6	0 57 . .	. .		. .
12	β Andromedæ	II	4 10.13	- 0.25	- 9.04	3 46 4.58	46.918	+ 3.7	63.0	1 4 . .	. .		. .
13	α Ursæ Minoris	5	21 49.10	- 4.78	[- 9.01]	310 6 2.68	48.135	- 1 5.5	[63.8]	1 21 . .	. .		. .
14	β Arietis	II	49 8.92	- 0.25	- 8.95	18 32 5.05	46.565	+ 18.6	62.6	1 48 . .	. .		. .
15	α Arietis	II	1 33.92	- 0.25	- 8.96	15 52 5.10	45.858	+ 15.8	61.7	2 1 . .	. .		. .
16	ζ Persei	II	47 50.86	- 0.25	- 8.83	7 16 4.60	46.320	+ 7.1	62.7	3 47 . .	. .		. .
17	ϵ Tauri	II	22 47.22	- 0.25	- 8.73	19 54 4.52	44.130	+ 19.9	62.7	4 22 . .	. .		. .
18	α Tauri	II	30 11.64	- 0.26	- 8.72	22 32 3.90	47.089	+ 22.9	63.4	4 30 . .	. .		. .
19	ι Aurigæ	II	50 28.26	- 0.25	- 8.68	5 50 4.32	48.059	+ 5.7	62.8	4 50 . .	. .		. .
20	Moon II.	II	58 55.26	- 0.26	- 8.69	12 20 . .	. .	. .	. .	4 58 46.31	-69.20		. .
July 25, Br.													
21	ι Aurigæ	II	50 27.61	- 0.41	- 7.84	5 50 4.10	48.081	+ 5.7	63.0	4 50 . .	. .		. .
22	Venus II, N.	4	13 54.92	- 0.40	- 7.87	18 38 4.32	44.010	+ 18.5	63.0	5 13 46.65	- 0.71	+ 20 13 20.7	. .
23	β Tauri	8	19 57.17	- 0.40	- 7.84	10 20 4.05	44.490	+ 10.0	62.7	5 19 . .	. .		. .
24	δ Orionis	IO	26 54.61	- 0.40	- 7.93	39 12 5.75	47.848	+ 44.6	63.2	5 26 . .	. .		. .
25	Moon II.	II	55 1.43	- 0.41	- 7.84	12 24 . .	. .	. .	. .	5 54 53.18	-69.64		. .
26	γ Geminorum	II	31 55.65	- 0.39	- 7.81	22 22 4.78	43.935	+ 22.5	63.0	6 31 . .	. .		. .
July 26, Br.													
27	Sun N.	. .		. .	. .	19 16 3.10	51.002	+ 19.1	63.0	8 24 . .	. .	+ 19 33 8.9	. .
28	Sun S.	. .		. .	. .	19 48 2.88	49.460	+ 19.7	63.0		. .	+ 19 1 35.9	. .
July 27, S.													
29	ι Aurigæ	IO	50 25.92	- 0.41	- 6.08	5 50 4.38	47.900	+ 5.7	61.7	4 50 . .	. .		. .
30	ϵ Canis Majoris	8	54 41.89	- 0.55	- 6.08	67 38 . .	. .	. .	. .	6 54 . .	. .		. .
July 28, S.													
31	Sun I, N.	II	31 44.77	- 0.41	- 5.96	19 44 2.08	49.848	+ 19.7	61.5	8 31 38.40	+66.75	+ 19 5 30.0	. .
32	Sun II, S.	II	33 58.26	- 0.41	- 5.95	20 16 9.92	47.840	+ 20.3	61.5	8 33 51.90	-66.75	+ 18 33 57.8	. .
33	η Bootis	II	49 55.38	- 0.42	- 5.68	19 56 5.28	45.791	+ 19.9	61.6	13 49 . .	. .		. .
34	α Draconis	II	1 44.34	- 0.53	[- 5.85]	334 0 3.65	43.900	- 26.6	[61.2]	14 1 . .	. .		. .
35	α Bootis	II	11 6.41	- 0.41	- 5.72	19 8 6.42	44.899	+ 19.0	61.2	14 11 . .	. .		. .
July 28, B.													
36	α Aurigæ	II	9 12.85	- 0.29	- 5.31	352 58 5.88	44.256	- 6.8	60.0	5 9 . .	. .		. .
37	β Tauri	II	19 54.63	- 0.28	- 5.33	10 20 7.52	44.301	+ 10.1	61.2	5 19 . .	. .		. .
38	Venus II, N.	II	27 22.31	- 0.28	- 5.36	18 16 10.45	45.445	+ 18.3	61.2	5 27 16.67	- 0.69	+ 20 34 46.0	. .
39	ϵ Orionis	9	31 6.62	- 0.31	- 5.44	40 6 5.88	46.214	+ 46.6	62.0	5 31 . .	. .		. .
40	δ Ursæ Minoris S. P.	8	5 36.48	+ 1.70	[- 5.38]	305 30 12.22	42.994	- 1 16.9	[62.1]	18 5 . .	. .		. .
41	μ Geminorum	II	16 51.35	- 0.28	- 5.36	16 16 4.00	37.955	+ 16.2	61.6	6 16 . .	. .		. .
July 29, B.													
42	Sun I, S.	II	35 38.77	- 0.28	- 5.39	20 32 1.95	43.035	+ 20.5	62.6	8 35 33.10	+66.84	+ 18 19 41.1	. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.	
d h m		in.	°	°					' "	' "	"	' "	
23	4 35	29.664	78.8	76.4	3, 34.			4	+	2.9	+15 46.0	+15 48.9	
	5 10	29.660	79.6	77.4	Bisections at C ₅ , C ₃ , C ₁ .			5	+	2.8	-15 46.0	-15 43.2	
24	8 18	29.676	83.5	81.3	4, 27, 31, 42.			6	+	2.3		+ 2.3	
	8 58	29.662	84.0	82.8	5, 7, 8, 12, 15, 23, 28, 32.			22	+	3.3	- 10.0	- 6.7	
10	8	29.686	86.0	84.8	6, 22.			27	+	2.9	-15 46.5	-15 43.6	
	1 9	29.675	72.2	69.9	Bisections at I, II, VII.			28	+	2.9	+15 46.5	+15 49.4	
	2 6	29.690	72.9	70.3	13, 40.			31	+	2.9	-15 46.1	-15 43.2	
	3 54	29.712	76.6	74.3	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .			32	+	3.0	+15 46.0	+15 49.0	
25	5 0	29.730	78.8	76.2	17, 41.			38	+	3.1	- 9.7	- 6.6	
	4 42	29.766	81.0	78.1	Bisections at I, II, VII.			42	+	3.0	+15 46.3	+15 49.3	
	5 38	29.766	81.5	78.9	Bisection at VII.								
	6 20	29.774	83.5	80.1	Z. D. thread A used.								
26	8 26	29.756	84.0	80.9									
	4 55	29.648	73.6	71.1									
27	8 33	29.648	76.8	75.7									
	13 54	29.657	77.5	76.9									
14	20	29.660	76.5	75.9									
	5 0	29.756	74.0	72.1									
	5 35	29.760	75.0	73.3									
	6 20	29.762	75.8	74.1									
	7 10	29.762	76.2	75.9									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	Sun II, N.	11	m s	s	s	o / //	rev.	/ //	//	h m s	s	o / //	//
2	Mercury C, C.	11	37 52.46	- 0.28	- 5.39	20 0 6.65	44.130	+	20.0	62.6	8 37 46.79	-66.85	+ 18 51 13.7
3	Leonis	11	36 14.93	- 0.28	- 5.40	22 56 4.68	44.640	+	23.1	63.0	9 36 9.25	+ 0.02	+ 15 55 4.3
4	o Virginis	11	43 56.02	- 0.28	- 5.42	23 42 6.72	45.628	+	23.9	64.4	11 43 . . .	.	.
5	γ Corvi	11	0 5.45	- 0.29	- 5.43	29 32 3.40	37.104	+	30.9	64.0	11 59 . . .	.	.
6	η Virginis	11	10 38.13	- 0.34	- 5.45	55 48 4.98	36.448	+	19.9	63.9	12 10 . . .	.	.
7	July 29, K.	5	14 45.92	- 0.30	- 5.43	38 56 . . .	.	.	.	.	12 14 . . .	.	.
8	δ Orionis	11	26 51.96	- 0.42	- 5.16	39 12 4.05	47.841	+	45.4	62.7	5 26 . . .	.	.
9	Venus II, N.	11	31 54.82	- 0.38	- 5.13	18 10 2.90	34.569	+	18.3	62.3	5 31 49.31	- 0.69	+ 20 41 8.1
10	α Orionis	11	49 43.05	- 0.40	- 5.13	31 28 2.85	43.012	+	34.0	61.9	5 49 . . .	.	.
11	γ Orionis	11	1 48.85	- 0.39	- 5.09	24 4 3.65	44.902	+	24.8	61.7	6 1 . . .	.	.
12	δ Ursæ Minoris S. P.	8	5 36.70	+ 0.95	[- 5.13]	305 30 0.58	43.668	-	17.3	[62.7]	18 5 . . .	.	.
13	μ Geminorum	11	16 51.25	- 0.37	- 5.14	16 16 1.30	48.252	+	16.3	61.3	6 16 . . .	.	.
14	July 30, K.												
15	Sun I, S.	11	39 32.94	- 0.38	- 5.16	20 46 7.62	44.490	+	20.9	62.8	8 39 27.40	+66.72	+ 18 5 6.8
16	Sun II, N.	8	41 46.38	- 0.38	- 5.16	20 14 5.68	45.828	+	20.3	62.8	8 41 40.84	-66.72	+ 18 36 41.5
17	ε Leonis	6	40 7.64	- 0.37	- 5.17	14 36 2.58	45.778	+	14.3	61.5	9 40 . . .	.	.
18	Mercury I, C.	11	43 13.35	- 0.38	- 5.17	23 34 2.85	48.871	+	24.0	62.8	9 43 7.80	+ 0.18	+ 15 15 43.4
19	α Leonis	11	3 0.45	- 0.39	- 5.16	26 22 3.68	47.432	+	27.2	63.5	10 2 . . .	.	.
20	γ ¹ Leonis	11	14 25.02	- 0.38	- 5.18	18 30 0.55	43.264	+	18.3	63.2	10 14 . . .	.	.
21	July 30, La.												
22	β Tauri	11	19 54.36	- 0.46	- 4.82	10 20 5.52	44.450	+	10.1	62.1	5 19 . . .	.	.
23	δ Orionis	11	26 51.76	- 0.48	- 4.87	39 12 5.68	47.754	+	44.8	62.2	5 26 . . .	.	.
24	Venus II, S.	11	36 28.62	- 0.46	- 4.81	18 4 5.72	46.004	+	17.9	62.2	5 36 23.35	- 0.68	+ 20 46 41.4
25	α Orionis	11	49 42.78	- 0.47	- 4.76	31 28 6.60	42.861	+	33.5	62.3	5 49 . . .	.	.
26	ε Canis Majoris	11	54 40.77	- 0.58	- 4.88	67 38 5.92	47.770	+	11.9	64.0	6 54 . . .	.	.
27	α ² Geminorum	7	28 8.92	- 0.46	- 4.79	6 44 4.70	46.068	+	6.5	64.1	7 28 . . .	.	.
28	July 31, La.												
29	Sun I, N.	10	43 26.45	- 0.46	- 4.87	20 27 56.30	49.330	+	20.3	64.2	8 43 21.12	+66.54	+ 18 21 47.6
30	Sun II, S.	11	45 39.54	- 0.46	- 4.87	20 59 53.50	47.998	+	20.9	64.2	8 45 34.21	-66.55	+ 17 50 13.4
31	ε Leonis	5	40 7.54	- 0.46	- 4.97	14 36 . . .	.	.	.	.	9 40 . . .	.	.
32	Mercury C, C.	11	50 2.39	- 0.46	- 4.89	24 14 5.02	48.705	+	24.4	64.2	9 49 57.04	+ 0.02	+ 14 35 45.9
33	α Leonis	9	3 0.24	- 0.47	- 4.87	26 22 4.98	47.378	+	26.8	64.8	10 2 . . .	.	.
34	γ ¹ Leonis	11	14 24.12	- 0.46	- 4.83	18 30 5.28	43.074	+	18.1	63.9	10 14 . . .	.	.
35	Moon I	9	20 52.22	- 0.48	- 4.90	31 52 . . .	.	.	.	.	10 20 46.84	+65.50	.
36	August 1, Br.												
37	β Tauri	11	19 53.76	- 0.46	- 4.16	10 20 4.95	44.455	+	10.1	61.7	5 19 . . .	.	.
38	δ Orionis	11	26 51.21	- 0.50	- 4.25	39 12 6.35	47.665	+	45.1	61.7	5 26 . . .	.	.
39	Venus II, N.	11	45 39.70	- 0.46	- 4.21	17 54 4.22	43.531	+	17.9	61.9	5 45 35.03	- 0.67	+ 20 57 30.1
40	α Orionis	11	49 42.27	- 0.46	- 4.21	31 28 7.48	42.788	+	33.8	62.3	5 49 . . .	.	.
41	γ Geminorum	10	31 52.29	- 0.47	- 4.21	22 22 4.80	43.850	+	22.7	61.8	6 31 . . .	.	.
42	August 2, Br.												
43	Sun I, S.	11	51 11.31	- 0.47	- 4.19	21 30 21.85	48.525	+	21.6	62.8	8 51 6.65	+66.43	+ 17 19 34.5
44	Sun II, N.	11	53 24.17	- 0.47	- 4.19	20 58 20.75	49.742	+	21.0	62.8	8 53 19.51	-66.43	+ 17 51 10.7
45	ε Leonis	8	40 6.81	- 0.46	- 4.23	14 36 4.22	45.825	+	14.3	62.5	9 40 . . .	.	.
46	γ ¹ Leonis	11	14 24.12	- 0.46	- 4.20	18 30 4.12	43.070	+	18.3	62.6	10 14 . . .	.	.
47	δ Leonis	11	8 44.45	- 0.46	- 4.22	17 46 4.48	44.589	+	17.5	62.2	11 8 . . .	.	.
48	β Leonis	10	43 54.89	- 0.47	- 4.13	23 42 5.05	45.632	+	23.9	62.7	11 43 . . .	.	.
49	Moon I, N.	11	1 27.30	- 0.53	- 4.17	44 20 6.20	43.693	+	53.1	62.8	12 1 22.60	+66.26	- 5 29 9.1
50	γ Corvi	10	10 37.05	- 0.56	- 4.18	55 48 5.40	46.604	+	19.9	63.7	12 10 . . .	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
29 8 37	29.760	79.4	78.3	I, 14, 15, 23, 24, 26, 29, 38.	Bisections at VI, VII.	1	+	3.0	-15 46.3	-15 43.3
9 20	29.760	80.8	79.3	4, 5, 8.	Z. D. thread A used.	2	+	2.7	.	+ 2.6
10 0	29.762	81.0	80.6	11.	Bisections at C ₅ , C ₃ , C ₁ .	8	+	3.1	- 9.6	- 6.5
11 35	29.750	82.0	80.6	13, 37.	Bisections at I, II.	13	+	3.1	+15 47.3	+15 50.4
12 15	29.750	82.4	81.6	25.	Bisection at II.	14	+	3.0	-15 47.3	-15 44.3
5 10	29.900	73.8	72.0	43.	Bisections at II, III, IV, V, VI.	16	+	2.7	.	+ 2.6
6 15	29.914	75.5	74.3	44.	Bisections at I, II, VI.	21	+	3.1	+ 9.5	+ 12.6
8 41	29.924	78.9	78.2			25	+	3.0	-15 47.0	-15 44.0
9 40	29.914	80.2	79.4			26	+	3.1	+15 47.1	+15 50.2
10 14	29.916	82.2	80.8			28	+	2.9	- 0.1	+ 2.8
5 12	29.900	78.4	78.1			34	+	3.0	.	- 6.4
5 36	29.898	79.8	79.7			37	+	3.2	+15 48.1	+15 51.3
6 54	29.900	83.8	82.5			38	+	3.1	-15 48.0	-15 44.9
7 25	29.900	84.8	83.4			43	+	40 39.2	-15 56.1	+24 43.1
8 45	29.884	85.6	85.2							
9 40	29.876	87.2	86.8							
10 30	29.866	89.6	87.5							
1 5 5	29.852	77.0	74.1							
5 59	29.864	78.5	75.9							
6 57	29.870	80.0	77.6							
8 53	29.864	81.8	80.8							
9 30	29.866	83.5	81.9							
10 24	29.862	85.5	82.0							
11 15	29.856	86.0	83.1							
12 31	29.852	85.0	83.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Canum Venat.	11	51 19.28	- 0.46	- 4.15	359 58 3.42	47.872	0.0	62.2	12 51 . . .	. . .	. . .	. . .
2	α Virginis	11	19 52.95	- 0.54	- 4.13	49 28 4.38	44.971	+ 1 3.4	63.0	13 19 . . .	. . .	. . .	. . .
3	α Ursæ Minoris S. P. August 2, L.	8	21 42.71	+ 4.68	[- 4.14]	307 38 2.58	45.252	- 1 10.0	[62.7]	1 21 . . .	. . .	. . .	. . .
4	ε Orionis	11	31 5.38	- 0.52	- 3.86	40 6 2.88	46.346	+ 46.5	62.2	5 31 . . .	. . .	. . .	. . .
5	Venus II, N.	11	50 17.44	- 0.48	- 3.91	17 48 3.50	48.096	+ 17.8	62.6	5 50 13.05	- 0.66	+ 21 2 4.0	. . .
6	μ Geminorum	11	16 50.25	- 0.48	- 3.94	16 18 2.92	41.944	+ 16.1	61.8	6 16 . . .	. . .	. . .	. . .
7	γ Geminorum	11	31 52.02	- 0.49	- 3.89	22 22 3.52	43.956	+ 22.6	62.5	6 31 . . .	. . .	. . .	. . .
8	α ² Geminorum August 3, L.	11	28 8.11	- 0.48	- 3.90	6 44 3.60	46.202	+ 6.5	62.8	7 28 . . .	. . .	. . .	. . .
9	Sun I, N.	11	55 2.84	- 0.49	- 3.86	21 16 6.38	43.810	+ 21.3	62.6	8 54 58.49	+ 66.38	+ 17 35 20.9	. . .
10	Sun II, S.	11	57 15.60	- 0.49	- 3.86	21 48 4.05	42.405	+ 21.9	62.6	8 57 11.25	- 66.38	+ 17 3 47.5	. . .
11	α Leonis	11	2 59.23	- 0.49	- 3.84	26 24 3.80	41.156	+ 27.1	63.1	10 2 . . .	. . .	. . .	. . .
12	Mercury I, C.	11	9 33.07	- 0.49	- 3.84	26 18 4.08	43.730	+ 27.0	62.6	10 9 28.74	+ 0.19	+ 12 33 18.1	. . .
13	γ ¹ Leonis	11	14 23.77	- 0.48	- 3.83	18 30 2.05	43.151	+ 18.3	62.3	10 14 . . .	. . .	. . .	. . .
14	β ¹ Leonis	11	43 54.56	- 0.49	- 3.78	23 42 3.32	45.708	+ 23.9	62.4	11 43 . . .	. . .	. . .	. . .
15	γ Corvi	11	10 36.68	- 0.57	- 3.80	55 48 2.80	46.670	+ 1 19.9	63.0	12 10 . . .	. . .	. . .	. . .
16	β Corvi	11	29 4.85	- 0.59	- 3.85	61 40 4.52	43.825	+ 1 40.7	62.7	12 29 . . .	. . .	. . .	. . .
17	Moon I, N.	11	53 38.39	- 0.56	- 3.80	50 36 5.32	43.332	+ 1 6.2	62.6	12 53 34.03	+ 67.83	- 11 45 14.6	. . .
18	α Virginis	11	19 52.63	- 0.54	- 3.82	49 28 4.50	44.956	+ 1 3.6	63.2	13 19 . . .	. . .	. . .	. . .
19	α Ursæ Minoris S. P. August 5, K.	6	21 41.83	+ 6.20	[- 3.80]	307 38 1.82	45.270	- 1 10.2	[63.9]	1 21 . . .	. . .	. . .	. . .
20	Venus II, N.	11	4 16.28	- 0.40	- 2.86	17 38 1.38	45.477	+ 17.9	62.7	6 4 13.02	- 0.65	+ 21 12 55.8	. . .
21	51 H. Cephei	6	52 23.96	- 1.56	[- 2.85]	311 40 2.18	44.860	- 1 2.4	[61.4]	6 52 . . .	. . .	. . .	. . .
22	δ Geminorum	11	14 3.55	- 0.40	- 2.84	16 40 3.52	47.266	+ 16.8	62.2	7 14 . . .	. . .	. . .	. . .
23	α ² Geminorum	11	28 7.04	- 0.39	- 2.85	6 44 3.50	46.212	+ 6.6	62.8	7 28 . . .	. . .	. . .	. . .
24	α Canis Minoris	11	33 59.58	- 0.44	- 2.85	33 22 2.65	43.164	+ 36.7	63.4	7 33 . . .	. . .	. . .	. . .
25	β Geminorum August 6, K.	5	39 6.08	- 0.39	- 2.88	10 34 1.22	47.180	+ 10.4	62.4	7 39 . . .	. . .	. . .	. . .
26	Sun I, N.	11	6 33.44	- 0.41	- 2.85	22 4 8.52	46.450	+ 22.5	62.7	9 6 30.18	+ 66.10	+ 16 46 26.9	. . .
27	Sun II, S.	11	8 45.65	- 0.41	- 2.85	22 36 4.38	45.210	+ 23.1	62.7	9 8 42.39	- 66.11	+ 16 14 52.3	. . .
28	α Serpentis	11	39 17.81	- 0.43	- 2.77	32 6 2.85	44.706	+ 34.9	62.1	15 39 . . .	. . .	. . .	. . .
29	ε Serpentis	11	45 47.13	- 0.44	- 2.80	34 4 2.58	43.761	+ 37.7	63.6	15 45 . . .	. . .	. . .	. . .
30	Moon I, N.	11	50 11.74	- 0.58	- 2.84	64 29 57.72	47.080	+ 1 56.4	62.0	15 50 8.32	+ 74.86	- 25 41 9.7	. . .
31	δ Scorpii	11	54 21.44	- 0.54	- 2.89	61 9 55.22	44.268	+ 1 41.0	61.4	15 54 . . .	. . .	. . .	. . .
32	β ¹ Scorpii August 6, La.	11	59 33.70	- 0.53	- 2.90	58 22 1.78	43.442	+ 1 30.3	61.1	15 59 . . .	. . .	. . .	. . .
33	α Orionis	11	49 40.80	- 0.44	- 2.64	31 28 1.75	43.019	+ 34.1	61.6	5 49 . . .	. . .	. . .	. . .
34	δ Ursæ Minoris S. P.	8	5 30.77	+ 2.04	[- 2.66]	305 30 0.98	43.701	- 1 17.6	[61.4]	18 5 . . .	. . .	. . .	. . .
35	Venus II, N.	11	8 58.22	- 0.42	- 2.65	17 36 5.78	43.218	+ 17.7	62.2	6 8 55.15	- 0.64	+ 21 15 34.9	. . .
36	Venus S.	11	16 49.02	- 0.42	- 2.66	16 16 2.30	48.192	+ 16.3	61.2	6 16 . . .	. . .	. . .	. . .
37	μ Geminorum	11	28 6.91	- 0.42	- 2.67	6 44 2.85	46.238	+ 6.6	63.1	7 28 . . .	. . .	. . .	. . .
38	α ² Geminorum	11	39 5.88	- 0.42	- 2.64	10 34 3.15	47.155	+ 10.4	61.9	7 39 . . .	. . .	. . .	. . .
39	β Geminorum August 7, La.	11	10 22.85	- 0.43	- 2.65	22 20 11.22	48.922	+ 22.8	62.2	9 10 19.77	+ 65.95	+ 16 29 36.2	. . .
40	Sun I, N.	11	12 34.75	- 0.43	- 2.65	22 52 6.80	47.808	+ 23.4	62.2	9 12 31.67	- 65.95	+ 15 57 59.3	. . .
41	Sun II, S.	11	14 22.53	- 0.42	- 2.64	18 30 3.75	43.059	+ 18.5	62.1	10 14 . . .	. . .	. . .	. . .
42	γ ¹ Leonis	11	57 27.27	- 0.52	[- 2.69]	336 34 2.00	43.084	- 23.7	[61.6]	10 57 . . .	. . .	. . .	. . .
43	α Ursæ Majoris	11	8 42.76	- 0.42	- 2.59	17 46 4.00	44.631	+ 17.7	62.3	11 8 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
2 13 34	29.850	84.0	84.8	3.	Bisections at D ₃ , D ₂ , D ₁ .	5	+ 3.0	- 9.3	.	- 6.3
5 31	29.960	77.5	77.3	9. 40.	Bisections at I, II.	9	+ 3.1	- 15 46.7	.	- 15 43.6
6 16	29.940	80.3	79.9	10, 27, 41.	Bisections at VI, VII.	10	+ 3.2	+ 15 46.6	.	+ 15 49.8
7 28	29.990	82.8	81.2	17.	Bisections at II, III, IV, V, VI.	12	+ 3.1	.	- 0.1	+ 3.0
8 57	29.974	84.2	82.9	19.	Bisections at C ₃ , C ₂ , C ₁ .	17	+ 45 15.4	- 16 2.1	.	+ 29 13.3
10 2	29.980	85.0	84.1	20, 38.	Bisections at II, VI, VII.	20	+ 2.8	- 9.1	.	- 6.3
10 14	29.950	84.2	84.4	21.	Bisections at C ₃ .	26	+ 3.3	- 15 47.3	.	- 15 44.0
11 43	29.950	85.1	84.7	25.	Bisection at VII.	27	+ 3.3	+ 15 47.3	.	+ 15 50.6
12 29	29.942	84.8	84.1	26.	Bisection at II.	30	+ 53 32.2	- 16 13.5	.	+ 37 18.7
12 50	29.940	84.5	84.6	30.	Bisections at III, IV, V.	35	+ 2.8	- 9.1	.	- 6.3
13 19	30.030	72.8	70.9	34.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	36	+ 2.8	+ 9.2	0.0	+ 12.0
15 39	30.036	76.5	74.5	35.	Bisections at I, VII.	40	+ 3.3	- 15 48.4	.	- 15 45.1
16 17	30.010	76.5	74.1	36.	Bisections at II, VI.	41	+ 3.4	+ 15 48.4	.	+ 15 51.8
5 49	30.016	75.0	73.9							
6 16	30.016	75.6	74.4							
7 33	30.024	79.0	77.1							
9 12	30.012	80.0	77.1							
10 14	30.002	80.0	78.9							
11 4	29.992	81.0	79.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Leonis	3	43 53.38	— 0.43	— 2.68	23 42 2.92	45.795	+ 24.2	62.5	11 43 . . .	. . .	. . .	. . .
2	γ Corvi	10	10 35.46	— 0.50	— 2.69	55 48 2.65	46.530	+ 1 21.2	63.3	12 10 . . .	. . .	. . .	. . .
3	δ Draconis	11	28 15.99	— 0.59	[— 2.70]	329 52 . . .	. . .	. . .	. . .	16 28 . . .	. . .	. . .	. . .
4	ζ Ophiuchi	11	31 35.79	— 0.48	— 2.62	49 11 58.95	44.978	+ 1 4.5	62.8	16 31 . . .	. . .	. . .	. . .
5	κ Ophiuchi	11	52 53.76	— 0.43	— 2.53	29 18 1.52	47.408	+ 31.4	61.8	16 52 . . .	. . .	. . .	. . .
6	Moon I, N.	11	56 0.02	— 0.56	— 2.60	66 11 57.50	45.145	+ 2 6.0	62.0	16 55 56.86	+76.10	27 22 41.9	. . .
7	α^1 Herculis	11	10 3.24	— 0.43	— 2.52	24 20 4.52	46.345	+ 25.3	61.9	17 10 . . .	. . .	. . .	. . .
8	δ Ophiuchi	11	20 12.14	— 0.53	— 2.74	62 53 59.50	46.829	+ 1 48.8	61.7	17 20 . . .	. . .	. . .	. . .
August 8, L.													
9	α Ophiuchi	11	30 15.90	— 0.38	— 2.98	26 14 8.90	46.771	+ 27.7	60.6	17 30 . . .	. . .	. . .	. . .
10	μ Herculis	11	42 32.06	— 0.35	— 2.95	11 4 7.80	45.385	+ 11.0	60.4	17 42 . . .	. . .	. . .	. . .
11	γ^2 Sagittarii	11	59 19.53	— 0.53	— 2.99	69 14 8.10	46.422	+ 2 27.3	60.9	17 59 . . .	. . .	. . .	. . .
12	Moon I, S.	11	2 45.31	— 0.53	— 2.95	66 28 8.92	49.394	+ 2 8.5	60.8	18 2 41.83	+75.80	— 27 40 18.5	. . .
13	δ Ursæ Minoris	5	5 33.96	— 1.41	[— 2.95]	312 16 4.40	43.142	+ 1 1.5	[61.4]	18 5 . . .	. . .	. . .	. . .
14	η Serpentis	11	16 5.91	— 0.41	— 2.89	41 46 6.58	44.888	+ 50.2	61.5	18 16 . . .	. . .	. . .	. . .
August 8, Br.													
15	Venus II, N.	11	18 25.25	— 0.35	— 2.77	17 32 4.82	43.832	+ 17.6	61.9	6 18 22.13	— 0.64	+ 21 19 24.0	. . .
16	γ Geminorum	11	31 50.86	— 0.35	— 2.72	22 22 5.40	43.778	+ 22.9	61.4	6 31 . . .	. . .	. . .	. . .
17	α Canis Majoris	11	40 41.14	— 0.41	— 2.85	55 24 4.02	45.958	+ 1 20.3	62.1	6 40 . . .	. . .	. . .	. . .
18	α^2 Geminorum	9	28 6.97	— 0.35	— 2.76	6 44 4.68	46.173	+ 6.6	62.4	7 28 . . .	. . .	. . .	. . .
August 9, Br.													
19	Sun I, N.	11	17 59.61	— 0.35	— 2.79	22 54 12.25	50.232	+ 23.3	61.9	9 17 56.47	+65.86	+ 15 55 9.2	. . .
20	Sun S.	. . .	. . .	. . .	. . .	23 26 8.45	49.060	+ 23.8	61.9	. . .	. . .	+ 15 23 33.0	. . .
21	Mercury C.	. . .	. . .	. . .	. . .	30 28 4.72	43.970	+ 32.2	61.9	10 44 . . .	. . .	+ 8 23 7.5	. . .
22	α Ursæ Majoris	11	57 27.43	— 0.42	[— 2.96]	336 34 4.85	42.950	— 23.6	[61.4]	10 57 . . .	. . .	. . .	. . .
23	α Canum Venat.	11	51 17.67	— 0.35	— 2.75	359 58 4.05	47.828	0.0	61.4	12 51 . . .	. . .	. . .	. . .
24	α Virginis	11	19 51.49	— 0.40	— 2.89	49 28 4.45	44.847	+ 1 3.6	62.1	13 19 . . .	. . .	. . .	. . .
August 9, L.													
25	μ Geminorum	11	16 49.19	— 0.44	— 2.73	16 16 3.50	48.144	+ 16.1	61.3	6 16 . . .	. . .	. . .	. . .
26	Venus II, C.	11	23 10.41	— 0.44	— 2.76	17 30 4.00	47.146	+ 17.4	61.9	6 23 7.21	— 0.63	+ 21 20 21.5	. . .
27	γ Geminorum	11	31 50.96	— 0.44	— 2.71	22 22 4.62	43.859	+ 22.6	61.9	6 31 . . .	. . .	. . .	. . .
28	α^2 Geminorum	11	28 7.11	— 0.44	— 2.78	6 44 3.32	46.230	+ 6.5	62.5	7 28 . . .	. . .	. . .	. . .
29	α Canis Minoris	11	33 59.63	— 0.45	— 2.81	33 22 4.68	43.044	+ 36.0	62.6	7 33 . . .	. . .	. . .	. . .
August 10, L.													
30	Sun I, S.	11	21 47.35	— 0.44	— 2.75	23 44 2.28	48.408	+ 23.9	62.8	9 21 44.16	+65.80	+ 15 5 54.5	. . .
31	Sun II, N.	11	23 58.95	— 0.44	— 2.75	23 12 3.52	49.420	+ 23.3	62.8	9 23 55.76	— 65.80	+ 15 37 32.4	. . .
32	α Leonis	11	2 58.17	— 0.45	— 2.80	26 22 3.65	47.458	+ 26.9	63.5	10 2 . . .	. . .	. . .	. . .
33	γ^1 Leonis	11	14 22.68	— 0.44	— 2.75	18 30 . . .	. . .	. . .	. . .	10 14 . . .	. . .	. . .	. . .
34	Mercury I, C.	11	50 11.56	— 0.45	— 2.75	31 10 4.40	42.866	+ 32.7	63.3	10 50 8.36	+ 0.19	+ 7 41 29.4	. . .
35	α Ursæ Majoris	2	57 27.54	— 0.55	[— 2.95]	336 34 . . .	. . .	. . .	. . .	10 57 . . .	. . .	. . .	. . .
36	δ Leonis	7	8 42.86	— 0.44	— 2.67	17 46 . . .	. . .	. . .	. . .	11 8 . . .	. . .	. . .	. . .
37	β Leonis	11	43 53.47	— 0.44	— 2.78	23 42 4.82	45.679	+ 23.8	63.1	11 43 . . .	. . .	. . .	. . .
August 10, La.													
38	μ Geminorum	11	16 48.98	— 0.46	— 2.47	16 15 59.50	48.422	+ 16.1	62.6	6 16 . . .	. . .	. . .	. . .
39	Venus II, S.	11	27 55.94	— 0.46	— 2.45	17 30 4.82	45.668	+ 17.4	63.1	6 27 53.03	— 0.63	+ 21 20 50.1	. . .
40	Venus N.	. . .	. . .	. . .	. . .	17 30 4.82	44.702	+ 17.4	63.1	. . .	. . .	+ 21 21 8.8	. . .
41	γ Geminorum	11	31 50.73	— 0.47	— 2.42	22 22 2.72	43.975	+ 22.6	62.7	6 31 . . .	. . .	. . .	. . .
42	α^2 Geminorum	11	28 6.84	— 0.46	— 2.47	6 44 2.02	46.324	+ 6.5	62.9	7 28 . . .	. . .	. . .	. . .
43	β Geminorum	11	39 5.83	— 0.46	— 2.46	10 34 4.02	47.162	+ 10.2	63.0	7 39 . . .	. . .	. . .	. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.						No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°							' "	' "	"	' "
7 12 10	29.980	79.6	77.3	1, II, 19, 21, 30.					6	+54 18.6	—16 14.2	. . .	+38 4.4
16 31	29.950	74.4	72.1	2, 4, 20, 31.					12	+54 20.5	+16 12.7	. . .	+70 33.2
17 20	29.944	72.2	70.7	6, 12.					15	+ 2.8	— 8.9	. . .	— 6.1
18 17	29.846	69.2	66.8	13.					19	+ 3.4	—15 48.0	. . .	—15 44.6
5 43	29.820	73.2	71.3	18.					20	+ 3.5	+15 48.1	. . .	+15 51.6
6 48	29.836	74.5	73.0	24, 41, 43.					21	+ 3.8	. . .	— 0.2	+ 3.6
7 43	29.828	77.0	74.2	39.					26	+ 2.7	. . .	0.0	+ 2.7
9 20	29.810	79.0	78.1	40.					30	+ 3.5	+15 48.9	. . .	+15 52.4
10 8	29.804	79.0	77.0						31	+ 3.4	—15 48.9	. . .	—15 45.5
11 15	29.782	82.5	79.6						34	+ 4.0	. . .	— 0.2	+ 3.8
12 20	29.780	83.0	81.4						39	+ 2.7	+ 9.4	. . .	+ 12.1
13 30	29.752	82.0	81.2						40	+ 2.7	— 9.3	0.0	— 6.6
6 10	29.682	76.7	75.4										
6 33	29.684	77.2	76.3										
7 24	29.690	79.3	78.2										
7 37	29.690	79.9	78.5										
10 9 23	29.658	82.8	81.8										
10 5	29.640	83.2	82.1										
10 46	29.620	84.3	83.3										
11 43	29.588	84.9	80.1										
6 16	29.524	73.2	71.9										
6 54	29.526	75.0	73.8										
7 39	29.538	77.0	75.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	August 11, La.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Leonis	7	2 57.93	- 0.47	- 2.53	26 22 5.28	47.419	+ 26.9	64.3	10 2 . . .	. . .	. . .	. . .
2	γ Leonis	10	14 22.36	- 0.46	- 2.41	18 30 4.70	43.002	+ 18.2	62.8	10 14 . . .	. . .	. . .	. . .
3	Mercury C. C. . . .	11	55 29.06	- 0.48	- 2.48	31 50 6.35	47.238	+ 33.7	63.1	10 55 26.10	+ 0.04	+ 7 0 2.4	. . .
4	α Canum Venat. . . .	11	51 17.47	- 0.46	- 2.47	359 58 2.30	47.987	+ 0.0	62.9	12 51 . . .	. . .	. . .	. . .
5	α Virginis	6	19 51.25	- 0.52	- 2.55	49 28 1.58	45.190	+ 1 3.3	63.6	13 19 . . .	. . .	. . .	. . .
6	α Ursæ Minoris S. P.	5	21 49.80	+ 4.82	[- 2.51]	307 38 4.82	45.232	- 1 9.8	[61.9]	1 21 . . .	. . .	. . .	. . .
	August 11, B.												
7	δ Ursæ Minoris S. P.	5	5 27.90	+ 2.37	[- 1.95]	305 30 11.32	43.200	- 1 17.1	[61.7]	18 5 . . .	. . .	. . .	. . .
8	μ Geminorum	11	16 48.91	- 0.48	- 2.36	16 16 1.15	48.298	+ 16.2	62.0	6 16 . . .	. . .	. . .	. . .
9	Venus II, S.	11	32 42.35	- 0.48	- 2.37	17 30 6.45	45.020	+ 17.5	63.0	6 32 39.50	- 0.62	+ 21 21 0.7	. . .
10	Venus N.					17 30 6.45	44.095	+ 17.5	63.0	. . .	. . .	+ 21 21 18.6	. . .
11	δ Geminorum	10	14 3.28	- 0.48	- 2.36	16 40 5.22	47.248	+ 16.6	63.1	7 14 . . .	. . .	. . .	. . .
12	α Canis Minoris . . .	9	33 59.30	- 0.49	- 2.41	33 32 6.88	42.984	+ -36.3	64.1	7 33 . . .	. . .	. . .	. . .
13	β Geminorum	11	39 5.76	- 0.48	- 2.35	10 34 5.40	47.113	+ 10.3	63.4	7 39 . . .	. . .	. . .	. . .
	August 12, B.												
14	Sun N					23 48 4.15	49.412	+ 24.2	63.7	. . .	. . .	+ 15 1 33.9	. . .
15	Sun II, S.	11	31 31.68	- 0.48	- 2.36	24 20 4.82	47.945	+ 24.9	63.7	9 31 28.84	- 65.62	+ 14 29 58.7	. . .
16	Mercury C. C. . . .	11	0 39.11	- 0.49	- 2.35	32 32 7.38	44.710	+ 34.9	64.0	11 0 36.27	+ 0.05	+ 6 18 49.5	. . .
17	δ Leonis	11	8 42.59	- 0.48	- 2.36	17 46 3.72	44.750	+ 17.5	63.8	11 8 . . .	. . .	. . .	. . .
18	β Leonis	11	43 53.11	- 0.48	- 2.39	23 42 7.20	45.645	+ 24.0	64.9	11 43 . . .	. . .	. . .	. . .
19	α Virginis	11	19 51.00	- 0.53	- 2.30	49 28 3.00	45.031	+ 1 3.9	64.0	13 19 . . .	. . .	. . .	. . .
20	α Ursæ Minoris S. P.	6	21 49.55	+ 6.88	[- 3.51]	307 38 3.60	45.360	- 1 10.5	[62.2]	1 21 . . .	. . .	. . .	. . .
21	ε Delphini	11	28 24.35	- 0.49	- 2.43	27 54 7.78	32.875	+ 29.5	62.8	20 28 . . .	. . .	. . .	. . .
22	μ Aquarii	11	47 13.27	- 0.52	- 2.50	48 12 0.25	35.869	+ 1 2.3	63.0	20 47 . . .	. . .	. . .	. . .
23	β Aquarii	11	26 15.25	- 0.52	- 2.27	44 52 . . .				21 26 . . .	. . .	. . .	. . .
24	ξ Aquarii	11	32 23.19	- 0.52	- 2.23	47 7 57.48	38.386	+ 1 0.1	63.5	21 32 . . .	. . .	. . .	. . .
25	79 Draconis	11	51 40.41	- 0.80	[- 0.75]	325 38 7.95	37.434	- 38.0	[63.0]	21 51 . . .	. . .	. . .	. . .
26	Moon II, N.	11	1 41.90	- 0.54	- 2.36	49 20 11.12	33.898	+ 1 4.9	63.1	22 1 39.00	- 66.14	- 10 29 32.8	. . .
	August 12, K.												
27	α Orionis	11	49 40.63	- 0.42	- 2.33	31 28 0.98	43.060	+ 34.4	62.4	5 49 . . .	. . .	. . .	. . .
28	ν Orionis	11	1 46.41	- 0.40	- 2.28	24 4 3.58	44.710	+ 25.1	60.4	6 1 . . .	. . .	. . .	. . .
29	δ Ursæ Minoris S. P.	7	5 29.75	+ 0.58	[- 2.25]	305 29 59.80	43.908	- 1 18.2	[61.6]	18 5 . . .	. . .	. . .	. . .
30	μ Geminorum	11	16 48.89	- 0.39	- 2.40	16 16 3.30	48.159	+ 16.4	61.7	6 16 . . .	. . .	. . .	. . .
31	γ Geminorum	11	31 50.65	- 0.40	- 2.37	22 22 3.20	43.938	+ 23.1	62.5	6 31 . . .	. . .	. . .	. . .
32	Venus II, C.	11	37 29.65	- 0.39	- 2.34	17 30 2.20	46.310	+ 17.7	61.9	6 37 26.92	- 0.62	+ 21 20 39.0	. . .
	August 13, K.												
33	Sun I, S.	11	33 6.21	- 0.40	- 2.34	24 40 9.02	42.572	+ 25.5	62.5	9 33 3.47	+ 65.55	+ 14 11 37.7	. . .
34	Sun II, N.	11	35 17.30	- 0.40	- 2.34	24 8 7.82	43.728	+ 24.9	62.5	9 35 14.56	- 65.54	+ 14 43 15.4	. . .
35	Mercury I, C. . . .	11	5 41.71	- 0.42	- 2.33	33 12 2.80	47.840	+ 36.2	62.9	11 5 38.96	+ 0.20	+ 5 37 51.7	. . .
36	δ Leonis	11	8 42.44	- 0.39	- 2.31	17 46 2.70	44.730	+ 17.7	62.5	11 8 . . .	. . .	. . .	. . .
37	β Leonis	11	43 52.99	- 0.40	- 2.35	23 42 5.35	45.640	+ 24.2	63.1	11 43 . . .	. . .	. . .	. . .
38	α Virginis	8	0 2.40	- 0.42	- 2.34	29 32 2.10	47.337	+ 31.2	63.5	11 59 . . .	. . .	. . .	. . .
39	π Aquarii	11	20 7.98	- 0.46	- 2.46	37 58 4.12	48.062	+ 43.7	61.8	22 20 . . .	. . .	. . .	. . .
40	226 B. Cephei	11	30 35.17	- 0.33	[- 2.32]	323 10 5.78	45.285	- 41.8	[64.0]	22 30 . . .	. . .	. . .	. . .
41	ζ Pegasi	9	36 26.21	- 0.43	- 2.35	28 32 5.52	47.578	+ 30.5	62.2	22 36 . . .	. . .	. . .	. . .
42	λ Aquarii	11	47 21.46	- 0.50	- 2.34	46 58 2.90	43.905	+ 1 0.0	63.0	22 47 . . .	. . .	. . .	. . .
43	Moon II, N.	11	51 28.50	- 0.50	- 2.37	43 14 2.85	48.595	+ 52.8	62.0	22 51 25.63	- 64.40	- 4 24 40.5	. . .
44	α Pegasi	11	59 44.40	- 0.42	- 2.34	24 12 3.28	43.459	+ 25.2	61.0	22 59 . . .	. . .	. . .	. . .
	August 13, La.												
45	α Orionis	11	49 40.55	- 0.50	- 2.14	31 28 1.42	43.044	+ 33.9	62.1	5 49 . . .	. . .	. . .	. . .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
11	10	2	29.534	79.2	78.9	2, 15, 28, 34, 41.	Bisections at VI, VII.	3	+ 4.1	. . .	- 0.3	+ 3.8
	10	0	29.536	80.2	78.9		Bisections at I, VI, VII.	9	+ 2.7	+ 9.0	. . .	+ 11.7
	12	51	29.532	81.0	79.7	4.	Bisections at I, II.	10	+ 2.7	- 8.9	0.0	- 6.2
13	34	29.532	80.6	79.5	79.5	5, 14, 33.	Bisections at B ₁ , B ₂ , B ₁ .	14	+ 3.5	- 15 47.6	. . .	- 15 44.1
	6	14	29.716	73.8	71.9	6, 20.	Bisections at C ₅ , C ₃ , C ₁ .	15	+ 3.6	+ 15 47.5	. . .	+ 15 51.1
	7	4	29.724	75.0	72.9		Bisections at I, VII.	16	+ 4.2	. . .	- 0.3	+ 3.9
12	10	50	29.744	80.4	79.1	7.	Bisections at II, VI.	26	+ 43 33.7	- 15 43.5	. . .	+ 27 50.2
	11	35	29.742	82.0	79.1	9.	Bisections at II, VI, VII.	32	+ 2.7	. . .	+ 0.1	+ 2.8
	12	55	29.740	80.5	78.6	10.	Z. D. thread A used.	33	+ 3.6	+ 15 48.8	. . .	+ 15 52.4
	20	25	29.844	72.6	71.4	13.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	34	+ 3.5	- 15 48.8	. . .	- 15 45.3
	22	5	29.760	70.2	68.4	21, 22, 24, 25, 26.	Bisections at II, III, IV, V, VI.	35	+ 4.3	. . .	- 0.3	+ 4.0
	5	50	29.964	70.4	68.0		Bisections at C ₄ , C ₃ , C ₂ .	43	+ 38 51.8	- 15 32.2	. . .	+ 23 19.6
	6	21	29.974	72.5	70.3	25.						
13	9	35	29.970	77.0	75.1	26, 43.						
	11	11	29.944	79.0	77.0	29.						
	11	46	29.936	79.8	78.1	38.						
	22	0	29.912	70.8	69.1							
	23	0	29.908	70.0	68.2							
	5	50	29.896	74.5	74.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instrument. Clock.								
			m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	μ Geminorum . . .	10	16 48.70	- 0.48	- 2.09	16 16 2.28	48.250	+	16.2	62.2	6 16	
2	Venus II, N. . . .	11	42 17.46	- 0.48	- 2.10	17 32 2.12	42.652	+	17.4	63.1	6 42 14.88	- 0.61
3	Venus S.					17 32 2.12	43.515	+	17.4	63.1		
4	α ² Geminorum . . .	11	28 6.55	- 0.48	- 2.09	6 44 3.18	46.319	+	6.5	63.7	7 28	
5	α Canis Minoris . .	11	33 59.04	- 0.50	- 2.10	33 22 6.30	43.025	+	36.1	64.3	7 33	
August 14, La.												
6	Sun I, N.	11	36 51.46	- 0.49	- 2.11	24 26 9.18	45.540	+	24.7	63.9	9 36 48.86	+ 65.42
7	Sun II, S.	11	39 2.31	- 0.49	- 2.11	24 58 12.20	44.052	+	25.3	63.9	9 38 59.71	- 65.43
8	α Leonis	9	2 57.59	- 0.49	- 2.14	26 22 3.70	47.555	+	26.9	65.3	10 2	
9	δ Leonis	9	8 42.26	- 0.48	- 2.04	17 46 4.80	44.842	+	17.3	64.8	11 8	
10	Mercury C, C. . . .	8	10 37.42	- 0.50	- 2.11	33 54 4.00	43.448	+	36.3	64.3	11 10 34.81	+ 0.05
11	β Leonis	11	43 52.86	- 0.49	- 2.13	23 42 4.22	45.823	+	23.7	64.3	11 43	
12	α Canum Venat. . .	5	51 17.13	- 0.48	- 2.15	359 58 2.45	48.034	+	0.0	63.1	12 51	
13	α Ursæ Minoris S. P.	5	21 51.04	+ 5.54	[- 2.11]	307 38 5.28	45.155	-	9.4	[63.5]	1 21	
14	θ Piscium	11	22 51.00	- 0.46	- 2.07	33 2 4.88	43.752	+	35.9	65.1	23 22	
15	Moon II, N.	11	39 12.39	- 0.47	- 2.04	37 8 5.42	48.133	+	41.8	64.4	23 39 9.88	- 63.43
16	ω Piscium	11	54 7.63	- 0.46	- 2.04	32 31 53.60	48.069	+	35.2	64.0	23 54	
17	γ Pegasi	11	8 2.09	- 0.45	- 2.02	24 14				63.0	0 7	
18	α Ursæ Minoris . .	4	22 5.62	- 8.74	[- 2.02]	310 5 57.38	48.212	-	5.3	[64.5]	1 21	
19	η Piscium	11	26 4.19	- 0.45	- 1.99	24 2 5.32	44.050	+	24.7	64.1	1 26	
August 15, Br.												
20	δ Ursæ Minoris S. P.	4	5 26.86	+ 1.94	[- 1.78]	305 30 1.62	43.875	-	16.0	[65.3]	18 5	
21	γ Geminorum	10	31 50.15	- 0.47	- 1.72	22 22 3.85	43.996	+	22.4	63.6	6 31	
22	α Canis Majoris . .	11	40 40.41	- 0.54	- 1.83	55 24 3.78	46.049	+	18.8	63.2	6 40	
23	Venus II, S.	11	51 55.03	- 0.46	- 1.79	17 34 4.75	48.338	+	17.3	63.8	6 51 52.78	- 0.61
24	Venus N.					17 34 4.75	47.488	+	17.3	63.8		
25	δ Geminorum	10	14 2.83	- 0.46	- 1.83	16 40 3.98	47.376	+	16.3	63.9	7 14	
26	α Canis Minoris . .	11	33 58.72	- 0.48	- 1.76	33 22 4.55	43.104	+	35.8	64.7	7 33	
August 16, Br.												
27	ε Piscium	11	57 41.55	- 0.46	- 1.63	31 30 6.15	45.641	+	34.4	62.7	0 57	
28	β Andromedæ	11	4 3.55	- 0.46	- 1.52	3 46 4.80	46.715	+	3.8	63.3	1 4	
29	Moon II, N.	11	12 58.54	- 0.47	- 1.58	25 52 6.32	46.895	+	27.3	63.0	1 12 56.49	- 63.70
30	α Ursæ Minoris . . .	5	22 5.12	- 7.00	[- 1.58]	310 6 3.28	47.880	-	6.3	[63.5]	1 21	
31	ο Piscium	11	40 2.74	- 0.46	- 1.57	30 12 7.30	45.049	+	32.7	63.4	1 40	
32	β Arietis	11	49 2.51	- 0.46	- 1.61	18 32 5.82	46.258	+	18.9	62.6	1 49	
August 16, La.												
33	γ Geminorum	11	31 49.93	- 0.36	- 1.58	22 22 6.12	43.764	+	22.9	61.9	6 31	
34	Venus C.					17 38 4.80	43.451	+	17.7	62.4	6 56	
35	δ Geminorum	11	14 2.43	- 0.36	- 1.51	16 40 4.50	47.261	+	16.6	62.6	7 14	
36	α Canis Minoris . .	11	33 58.41	- 0.37	- 1.54	33 22 5.60	42.986	+	36.5	63.3	7 33	
37	β Geminorum	8	39 4.89	- 0.36	- 1.49	10 34					7 39	
August 17, La.												
38	Sun I, N.	11	48 3.65	- 0.36	- 1.51	25 22 3.42	48.948	+	26.1	62.4	9 48 1.78	+ 65.25
39	Sun II, S.	11	50 14.15	- 0.36	- 1.51	25 53 58.55	47.945	+	26.8	62.4	9 50 12.28	- 65.25
40	δ Leonis	11	8 41.55	- 0.36	- 1.45	17 45 58.75	44.916	+	17.7	61.7	11 8	
41	α Canum Venat. . . .	11	51 16.31	- 0.36	- 1.48	0 0 2.20	41.745	+	0.0	61.8	12 51	
42	α Virginis	11	19 50.05	- 0.40	- 1.53	49 28 4.18	44.885	+	4.0	62.8	13 19	
43	α Ursæ Minoris S. P.	4	21 52.78	+ 5.71	[- 1.49]	307 38 1.15	45.626	-	10.6	[64.3]	1 21	
44	α Ursæ Minoris . . .	7	22 2.49	- 3.62	[- 1.41]	310 6 2.98	47.881	-	6.1	[63.8]	1 21	
45	η Piscium	11	26 3.63	- 0.39	- 1.41	24 2 6.22	43.899	+	25.0	63.0	1 26	

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
13 6 42	29.900	77.9	77.4	2, 24.	Bisections at II, VI.					
7 33	29.902	81.6	80.4	3, 23.	Bisections at I, VII.	2	+	2.7	- 8.3	- 5.6
9 39	29.888	85.8	85.3	6, 9, 38.	Bisections at I, II.	3	+	2.7	+ 8.4	+ 11.1
10 2	29.880	86.8	86.2	7, 39.	Bisections at VI, VII.	6	+	3.6	- 15 48.5	- 15 44.9
11 2	29.876	87.2	86.8	10, 32.	Bisections at II, VI, VII.	7	+	3.7	+ 15 48.5	+ 15 52.2
11 43	29.854	88.6	87.7	11.	Bisections at I, II, VI.	10	+	4.4		+ 4.1
12 51	29.840	88.6	88.3	13.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	15	+	33 48.8	- 15 20.8	+ 18 28.0
13 16	29.834	88.4	88.0	15, 29.	Bisections at II, III, IV, V, VI.	23	+	2.6	+ 8.3	+ 10.9
23 22	29.800	76.4	75.2	18.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	24	+	2.6	- 8.2	- 5.6
0 38	29.798	75.8	74.3	20.	Bisections at C ₄ , C ₂ .	29	+	23 52.4	- 15 1.0	+ 8 51.4
1 26	29.798	75.2	73.8	30.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .	34	+	2.6		+ 2.8
5 57	29.654	79.0	78.0	43.	Bisections at C ₁ , B ₃ , B ₂ , B ₁ .	38	+	3.7	- 15 49.2	- 15 45.5
7 6	29.668	82.0	80.1	44.	Bisections at B ₃ , C ₁ , C ₂ , C ₃ , C ₄ .	39	+	3.8	+ 15 49.2	+ 15 53.0
7 43	29.672	83.0	81.1							
10 44	29.670	66.5	64.0							
1 59	29.680	66.5	63.7							
6 33	29.764	72.6	70.2							
7 17	29.770	75.1	72.4							
7 39			72.9							
9 50	29.772	77.2	75.7							
11 10	29.780	78.8	76.2							
13 18	29.768	79.2	78.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	o Piscium	11	40 2.62	- 0.40	- 1.48	30 12 6.02	44.998	+ 32.7	61.4	1 40 . . .	. . .	. . .	. . .
2	β Arietis	11	49 2.24	- 0.38	- 1.39	18 32 6.45	46.199	+ 18.9	61.7	1 49 . . .	. . .	. . .	. . .
3	Moon II, N.	11	0 57.23	- 0.40	- 1.42	21 6 6.80	47.286	+ 21.7	61.9	2 0 55.41	- 64.73	+ 17 44 11.8	. . .
4	ξ ¹ Ceti	11	7 37.57	- 0.40	- 1.40	30 28 8.12	46.630	+ 33.1	61.4	2 7 . . .	. . .	. . .	. . .
August 17, La.													
5	α Canis Majoris . . .	11	40 39.84	- 0.60	- 1.16	55 24 3.88	45.911	+ 1 20.6	62.7	6 40 . . .	. . .	. . .	. . .
6	Venus II.	11	1 34.47	- 0.46	- 1.07	17 40 . . .	. . .	. . .	. . .	7 1 32.94	- 0.60	. . .	. . .
7	α Canis Minoris . . .	11	33 58.00	- 0.50	- 0.98	33 22 6.60	42.944	+ 36.6	63.6	7 33 . . .	. . .	. . .	. . .
August 18, La.													
8	Sun I, S.	11	51 46.57	- 0.48	- 1.01	26 14 4.80	45.902	+ 27.3	63.0	9 51 45.08	+ 65.14	+ 12 36 36.8	. . .
9	Sun II, N.	11	53 56.85	- 0.48	- 1.01	25 42 2.45	47.088	+ 26.6	63.0	9 53 55.36	- 65.14	+ 13 8 15.1	. . .
10	Mercury C, C.	11	29 6.54	- 0.51	- 0.98	36 32 6.48	43.560	+ 40.7	63.0	11 29 5.05	+ 0.06	+ 2 19 5.1	. . .
11	α Virginis	11	19 49.58	- 0.57	- 0.90	49 28 6.30	44.782	+ 1 4.0	63.0	13 19 . . .	. . .	. . .	. . .
12	α Ursæ Minoris S. P.	5	21 57.96	+ 0.90	[- 0.93]	307 38 9.30	45.028	- 1 10.7	[62.8]	1 21 . . .	. . .	. . .	. . .
13	η Bootis	11	49 50.35	- 0.46	- 0.88	19 56 2.08	46.025	+ 19.9	62.8	13 49 . . .	. . .	. . .	. . .
14	η Bootis	11	11 1.45	- 0.46	- 1.01	19 8 5.00	45.061	+ 19.0	62.8	14 10 . . .	. . .	. . .	. . .
August 19, B.													
15	ξ Arietis	11	9 3.08	- 0.44	- 0.53	18 10 7.08	47.959	+ 18.6	62.2	3 9 . . .	. . .	. . .	. . .
16	γ ² Ursæ Minoris S. P.	11	20 54.27	+ 0.07	[- 0.60]	291 6 5.92	44.366	- 2 24.5	[61.0]	15 20 . . .	. . .	. . .	. . .
17	Moon II, N.	11	42 25.08	- 0.45	- 0.49	14 14 7.45	42.963	+ 14.4	62.3	3 42 24.14	- 67.54	+ 24 37 41.7	. . .
18	ξ Persei	11	47 43.62	- 0.43	- 0.47	7 15 54.60	46.672	+ 7.3	62.2	3 47 . . .	. . .	. . .	. . .
19	γ Tauri	11	13 59.77	- 0.45	- 0.51	23 28 8.25	44.650	+ 24.5	62.6	4 13 . . .	. . .	. . .	. . .
20	ε Tauri	11	22 39.97	- 0.45	- 0.46	19 53 59.10	44.222	+ 20.5	62.3	4 22 . . .	. . .	. . .	. . .
August 19, K.													
21	Venus II, C.	11	11 16.14	- 0.33	- 0.63	17 48 2.45	46.964	+ 18.0	62.2	7 11 15.18	- 0.59	+ 21 2 26.2	. . .
22	δ Geminorum	11	14 1.57	- 0.33	- 0.61	16 40 3.08	47.302	+ 16.8	62.0	7 14 . . .	. . .	. . .	. . .
23	α ² Geminorum	11	28 5.08	- 0.34	- 0.61	6 44 1.75	46.372	+ 6.5	62.8	7 28 . . .	. . .	. . .	. . .
24	α Canis Minoris . . .	11	33 57.55	- 0.34	- 0.65	33 22 4.98	42.955	+ 36.8	62.5	7 33 . . .	. . .	. . .	. . .
25	β Geminorum	11	39 4.11	- 0.34	- 0.66	10 34 2.92	47.218	+ 10.5	62.0	7 39 . . .	. . .	. . .	. . .
August 20, K.													
26	Sun I, N.	11	59 11.24	- 0.33	- 0.64	26 22 6.85	45.260	+ 27.5	62.2	9 59 10.27	+ 65.03	+ 12 28 46.0	. . .
27	Sun II, S.	11	1 21.30	- 0.33	- 0.64	26 54 7.20	43.975	+ 28.1	62.2	10 1 20.33	- 65.03	+ 11 57 7.8	. . .
28	Mercury I, C.	11	37 36.99	- 0.34	- 0.64	37 46 2.42	49.269	+ 42.8	62.2	11 37 36.01	+ 0.22	+ 1 3 17.4	. . .
29	α Canum Venat.	6	51 15.37	- 0.35	- 0.59	359 58 1.98	48.067	+ 0.0	61.8	12 51 . . .	. . .	. . .	. . .
30	α Virginis	9	19 49.14	- 0.36	- 0.69	49 27 53.88	45.300	+ 1 4.3	62.3	13 19 . . .	. . .	. . .	. . .
31	α Ursæ Minoris S. P.	2	21 53.88	+ 6.55	[- 0.61]	307 38 . . .	. . .	. . .	. . .	1 21 . . .	. . .	. . .	. . .
32	γ Tauri	11	13 59.68	- 0.44	- 0.39	23 28 2.72	44.906	+ 24.6	62.2	4 13 . . .	. . .	. . .	. . .
33	ε Tauri	11	22 39.95	- 0.44	- 0.42	19 54 2.72	44.014	+ 20.5	62.1	4 22 . . .	. . .	. . .	. . .
34	α Tauri	11	30 4.35	- 0.44	- 0.42	22 32 3.92	46.846	+ 23.5	61.9	4 30 . . .	. . .	. . .	. . .
35	Moon II, N.	11	36 14.84	- 0.44	- 0.42	12 26 2.35	46.225	+ 12.5	62.2	4 36 13.98	- 68.75	+ 26 24 46.1	. . .
36	ι Aurigæ	11	50 21.14	- 0.43	- 0.45	5 50 3.18	48.051	+ 5.8	62.5	4 50 . . .	. . .	. . .	. . .
37	ε Ursæ Minoris S. P.	11	56 28.73	+ 0.55	[- 0.42]	301 6 2.05	43.358	- 1 32.9	[62.1]	16 56 . . .	. . .	. . .	. . .
August 21, La.													
38	β Orionis	11	9 38.25	- 0.48	- 0.24	47 10 0.60	42.922	+ 1 0.3	63.3	5 9 . . .	. . .	. . .	. . .
39	β Tauri	11	19 50.31	- 0.43	- 0.10	10 20 3.42	44.568	+ 10.2	62.8	5 19 . . .	. . .	. . .	. . .
40	Moon II, N.	11	31 36.37	- 0.44	- 0.18	11 58 7.32	43.160	+ 11.9	63.0	5 31 35.75	- 69.45	+ 26 53 41.3	. . .
41	α Orionis	11	49 38.72	- 0.44	- 0.14	31 28 5.25	42.851	+ 34.2	63.2	5 49 . . .	. . .	. . .	. . .
42	δ Ursæ Minoris S. P.	3	5 22.92	+ 2.10	[- 0.18]	305 30 6.65	43.620	- 1 17.8	[62.5]	18 5 . . .	. . .	. . .	. . .
43	μ Geminorum	11	16 47.01	- 0.43	- 0.22	16 16 5.35	48.175	+ 16.3	62.5	6 16 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
17 1 28	29.812	69.1	67.4	3, 17, 35, 40.	Bisections at II, III, IV, V, VI.	3	+ 19 31.8	- 14 54.2	.	+ 4 37.6
2 9	29.814	68.2	66.1	8, 26, 43.	Bisections at I, II.	8	+ 3.8	+ 15 49.2	.	+ 15 53.0
6 41	29.865	72.6	71.2	9, 10, 27, 30.	Bisections at VI, VII.	9	+ 3.8	- 15 49.1	.	- 15 45.3
7 43	29.860	74.6	72.9	12.	Bisections at C ₂ , C ₁ .	10	+ 5.0	. . .	- 0.4	+ 4.6
18 9 54	29.856	77.5	75.3	16.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	17	+ 13 12.3	- 14 48.6	.	- 1 36.3
11 29	29.844	80.8	78.3	29.	Bisections at I, II, VI.	21	+ 2.6	. . .	+ 0.2	+ 2.8
13 28	29.816	80.0	78.5	37.	Bisections at V, IV, III.	26	+ 3.9	- 15 49.1	.	- 15 45.2
14 11	29.812	79.2	78.5	42.	Bisections at C ₄ , C ₃ .	27	+ 3.9	+ 15 49.1	.	+ 15 53.0
19 3 0	29.824	66.0	63.4			28	+ 5.3	. . .	- 0.5	+ 4.8
4 55	29.840	66.0	63.5			35	+ 11 34.8	- 14 50.3	.	- 3 15.5
4 25	29.852	66.8	64.4			40	+ 11 11.5	- 14 54.9	.	- 3 43.4
7 7	29.906	72.0	70.4							
7 37	29.916	73.0	71.1							
10 1	29.920	75.2	73.0							
11 34	29.910	77.8	76.7							
12 56	29.900	79.0	77.4							
13 26	29.900	78.6	77.4							
4 17	29.944	67.4	65.4							
4 50	29.950	67.9	65.9							
5 10	29.800	68.7	67.5							
6 12	29.805	71.0	69.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	August 23, L. Moon II.	11	23 16.44	- 0.47	+ 0.14	15 26 . .				7 23 16.11	-68.91		
2	Venus II, C.	11	30 43.23	- 0.46	+ 0.14	18 10 3.75	48.914	+ 18.3	62.0	7 30 42.91	- 0.57	+ 20 39 47.0	
3	α Canis Minoris	11	33 57.01	- 0.47	+ 0.11	33 22 3.60	42.960	+ 36.5	62.4	7 33 . .			
4	β Geminorum	11	39 3.50	- 0.46	+ 0.17	10 34 3.15	47.192	+ 10.4	61.4	7 39 . .			
	August 24, L.												
5	Sun I, S.	11	13 55.65	- 0.47	+ 0.14	28 16 0.70	42.200	+ 29.6	62.0	10 13 55.32	+64.75	+ 10 35 48.6	
6	Sun II, N.	11	16 5.15	- 0.47	+ 0.14	27 44 7.48	42.740	+ 28.9	62.0	10 16 4.82	-64.75	+ 11 7 30.2	
7	δ Leonis	9	8 40.11	- 0.46	+ 0.10	17 46 . .				11 8 . .			
8	β Leonis	11	43 50.47	- 0.46	+ 0.21	23 42 3.82	45.689	+ 24.1	61.8	11 43 . .			
9	α Canum Venat.	11	51 14.69	- 0.47	+ 0.16	0 0 3.60	41.736	0.0	62.0	12 51 . .			
10	α Virginis	11	19 48.50	- 0.50	+ 0.06	49 28 4.55	44.805	+ 1 3.9	62.6	13 19 . .			
11	α Ursæ Minoris s. p.	6	21 56.72	+ 6.34	[+ 0.13]	307 38 2.20	45.538	- 1 10.5	[64.0]	1 22 . .			
	August 24, La.												
12	α Geminorum	11	28 4.25	- 0.49	+ 0.50	6 44 3.85	46.314	+ 6.6	63.5	7 28 . .			
13	α Canis Minoris	11	33 56.68	- 0.51	+ 0.51	33 22 4.45	43.355	+ 36.3	[67.8]	7 33 . .			
14	Venus II, S.	11	35 35.34	- 0.49	+ 0.53	18 18 7.95	46.215	+ 18.3	63.4	7 35 35.38	- 0.57	+ 20 32 36.1	
15	Venus N.					18 18 7.95	45.338	+ 18.3	63.4			+ 20 32 52.7	
16	β Geminorum	8	39 3.13	- 0.49	+ 0.59	10 34 9.85	46.878	+ 10.3	63.2	7 39 . .			
17	θ Ursæ Majoris	11	26 0.37	- 0.53	[+ 0.56]	346 42 8.00	47.727	- 12.8	[64.0]	9 26 . .			
	August 25, La.												
18	Sun I, N.	11	17 35.55	- 0.50	+ 0.57	28 4 4.62	45.198	+ 29.1	63.4	10 17 35.62	+64.62	+ 10 46 49.1	
19	Sun II, S.	8	19 44.79	- 0.50	+ 0.57	28 36 3.20	44.405	+ 29.7	63.4	10 19 44.86	-64.62	+ 10 15 3.2	
20	Mercury C, C.	10	56 33.98	- 0.52	+ 0.59	40 42 3.52	48.850	+ 46.9	63.4	11 56 34.05	+ 0.08	- 1 52 39.2	
	August 25, B.												
21	α Geminorum	11	28 3.95	- 0.55	+ 0.89	6 44 5.98	46.243	+ 6.6	64.6	7 28 . .			
22	Venus II, C.	11	40 27.57	- 0.58	+ 0.97	18 25 58.28	45.111	+ 18.6	63.9	7 40 27.96	- 0.56	+ 20 25 7.0	
23	α Hydræ	4	22 32.67	- 0.68	+ 1.08	47 4 . .				9 22 . .			
24	ε Leonis	10	40 1.98	- 0.57	+ 0.93	14 36 5.22	45.965	+ 14.5	64.2	9 40 . .			
	August 26, B.												
25	Sun I, N.	11	21 15.03	- 0.61	+ 0.96	28 24 3.78	48.388	+ 29.9	63.9	10 21 15.38	+64.66	+ 10 25 48.4	
26	Sun II, S.	11	23 24.34	- 0.61	+ 0.96	28 56 3.85	47.262	+ 30.6	63.9	10 23 24.69	-64.65	+ 9 54 7.3	
27	β Leonis	11	43 49.87	- 0.59	+ 0.94	23 42 7.92	45.630	+ 24.2	64.6	11 43 . .			
28	Mercury C, C.	11	59 54.90	- 0.65	+ 0.95	41 16 6.58	43.466	+ 48.3	63.9	11 59 55.20	+ 0.08	- 2 24 59.2	
29	α Canum Venat.	11	51 14.04	- 0.54	+ 0.86	359 58 5.70	37.776	0.0	63.1	12 51 . .			
30	α Virginis	11	19 47.72	- 0.69	+ 1.01	49 28 7.38	44.692	+ 1 4.2	63.1	13 19 . .			
31	α Ursæ Minoris s. p.	6	22 1.18	+ 2.40	[+ 0.97]	307 38 1.60	45.578	- 1 10.9	[63.2]	1 22 . .			
32	η Bootis	11	49 48.49	- 0.58	+ 0.99	19 56 5.00	45.938	+ 20.0	63.7	13 49 . .			
	August 27, La.												
33	Sun I.	11	24 54.31	- 0.56	+ 1.12	29 2 . .				10 24 54.87	+64.53		
34	Sun II.	11	27 3.38	- 0.56	+ 1.12					10 27 3.94	-64.54		
35	Mercury C.	11	3 6.26	- 0.59	+ 1.14					12 3 6.81	+ 0.09		
36	α Canum Venat.	11	51 13.81	- 0.52	+ 1.06	359 58 3.45	48.104	0.0	63.5	12 51 . .			
37	α Virginis	11	19 47.45	- 0.62	+ 1.20	49 28 5.68	44.874	+ 1 3.4	64.0	13 19 . .			
38	α Ursæ Minoris s. p.	6	22 0.28	+ 3.76	[+ 1.15]	307 38 5.90	45.302	- 1 10.0	[62.8]	1 22 . .			
39	η Bootis	11	49 48.26	- 0.54	+ 1.17	19 56 3.50	46.055	+ 19.7	64.1	13 49 . .			
40	α Bootis	11	10 59.21	- 0.54	+ 1.19	19 8 3.25	45.255	+ 18.8	64.2	14 10 . .			
	August 27, B.												
41	δ Geminorum	11	13 59.98	- 0.52	+ 1.39	16 40 6.30	47.175	+ 16.6	62.3	7 14 . .			
42	α Geminorum	11	28 3.50	- 0.51	+ 1.36	6 44 6.22	46.206	+ 6.6	63.6	7 28 . .			
43	α Canis Minoris	11	33 55.97	- 0.54	+ 1.31	33 21 59.38	43.267	+ 36.3	63.1	7 33 . .			

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
23	7	10	29.662	71.3	69.2	3, 6, 16, 19, 20, 26.	Bisections at VI, VII.	2	+ 2.6		+ 0.3	+ 2.9
	7	41	29.666	72.3	70.2	5, 13, 18, 25.	Bisections at I, II.	5	+ 4.1	+15 50.8		+15 54.9
24	10	16	29.684	76.2	74.5	10, 21, 43.	Bisections at II, VI, VII.	6	+ 4.1	-15 50.8		-15 46.7
	11	44	29.682	78.1	76.2	11, 31, 38.	Bisections at C ₃ , C ₂ , C ₁ .	14	+ 2.6	+ 8.3		+ 10.9
	13	18	29.670	78.3	76.9		Bisections at II, VI.	15	+ 2.6	- 8.3	0.0	- 5.7
	7	24	29.710	74.8	73.2	14, 30.	Bisections at I, VII.	18	+ 4.1	-15 52.9		-15 48.8
	8	44	29.716	78.8	77.1		Bisections at I, II, VI.	19	+ 4.2	+15 52.9		+15 57.1
	9	26	29.714	79.7	77.9	15.	Bisections at II, VII.	20	+ 6.0		- 0.6	+ 5.4
25	10	20	29.716	81.5	80.0	17.	Z. D. thread A used.	22	+ 2.6		+ 0.3	+ 2.9
	11	57	29.714	82.0	80.1	29.		25	+ 4.1	-15 50.5		-15 46.4
	7	00	29.864	72.0	69.3			26	+ 4.2	+15 50.5		+15 54.7
	7	45	29.876	73.4	71.1			28	+ 6.2		- 0.7	+ 5.5
	9	0	29.882	75.8	73.1							
	9	35	29.880	76.4	74.3							
26	10	23	29.868	76.8	75.1							
	11	46	29.854	79.5	76.7							
	12	55	29.844	79.0	77.5							
	13	35	29.840	79.0	77.3							
27	10	27	29.776	79.2	79.1							
	11	58	29.752	81.6	80.9							
	12	51	29.730	82.8	82.1							
	13	32	29.720	82.6	82.1							
	14	11	29.710	82.8	82.5							
	7	15	29.816	75.2	74.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	β Geminorum . . .	11	m s 39 2.44	- 0.51	+ 1.38	10 34 5.90	47.190	+ 10.3	63.7	7 39 . .	.	.	.
2	Venus II, C. . .	11	50 12.27	- 0.52	+ 1.36	18 42 7.35	47.428	+ 18.7	63.6	7 50 13.11	- 0.55	+ 20 8 13.1	.
August 28, B.													
3	β Leonis . . .	11	43 49.43	- 0.52	+ 1.31	23 42 7.45	45.659	+ 24.0	64.4	11 43 . .	.	.	.
4	Mercury C, C. . .	11	6 7.35	- 0.56	+ 1.36	42 16 5.78	46.981	+ 49.6	63.6	12 6 8.15	+ 0.09	- 3 26 7.4	.
5	γ Corvi . . .	11	10 31.40	- 0.61	+ 1.37	55 48 6.15	46.445	+ 20.2	64.9	12 10 . .	.	.	.
6	α Canum Venat. . .	11	51 13.56	- 0.51	+ 1.29	359 58 5.00	48.010	0.0	63.1	12 51 . .	.	.	.
7	α Virginis . . .	11	19 47.17	- 0.59	+ 1.45	49 28 7.12	44.782	+ 1 3.7	64.1	13 19 . .	.	.	.
8	α Ursæ Minoris S. P.	7	21 59.06	+ 5.40	[+ 1.39]	307 38 4.00	45.445	- 1 10.3	[63.2]	1 22 . .	.	.	.
August 30, L.													
9	α^2 Geminorum . . .	11	28 2.90	- 0.43	+ 1.96	6 44 4.48	46.290	+ 6.7	63.2	7 28 . .	.	.	.
10	α Canis Minoris . . .	11	33 55.26	- 0.47	+ 2.02	33 22 6.22	42.865	+ 36.9	62.4	7 33 . .	.	.	.
11	β Geminorum . . .	11	39 1.83	- 0.44	+ 2.00	10 34 6.00	47.095	+ 10.5	62.0	7 39 . .	.	.	.
12	Venus I, S. . .	6	4 48.15	- 0.45	+ 2.00	19 12 6.65	46.310	+ 19.6	62.9	8 4 49.70	+ 0.26	+ 19 38 33.6	.
13	Venus II, N. . .	5	4 48.94	- 0.45	+ 2.00	19 12 6.65	45.592	+ 19.6	62.9	8 4 50.49	- 0.53	+ 19 38 47.5	.
August 31, L.													
14	Sun I, N. . .	11	39 27.50	- 0.47	+ 2.06	30 12 2.72	45.050	+ 32.3	62.9	10 39 29.09	+ 64.41	+ 8 38 50.1	.
15	Sun II, S. . .	11	41 36.33	- 0.47	+ 2.06	30 44 2.15	43.880	+ 33.0	62.9	10 41 37.92	- 64.42	+ 8 7 10.5	.
16	Mercury I, C. . .	11	14 2.79	- 0.50	+ 2.09	43 38 5.00	44.766	+ 52.7	62.9	12 14 4.38	+ 0.26	- 4 47 28.0	.
17	α Virginis . . .	11	.	.	.	49 28 4.75	44.835	+ 1 4.5	63.7	13 19 . .	.	.	.
18	α Ursæ Minoris S. P.	6	22 2.47	+ 3.45	[+ 2.11]	307 38 1.72	45.718	- 1 11.2	[64.6]	1 22 . .	.	.	.
19	Moon I . . .	11	30 54.01	- 0.55	+ 2.11	54 46 . .	.	.	.	13 30 55.57	+ 69.81	.	.
20	η Bootis . . .	11	49 47.17	- 0.45	+ 2.12	19 56 5.35	45.965	+ 20.0	62.9	13 49 . .	.	.	.
21	α Bootis . . .	11	10 58.09	- 0.45	+ 2.16	19 8 5.85	45.048	+ 19.2	63.0	14 10 . .	.	.	.
22	ρ Bootis . . .	11	27 23.74	- 0.44	+ 2.10	8 2 5.72	44.499	+ 7.8	62.9	14 27 . .	.	.	.
August 31, La.													
23	α Leonis . . .	9	2 53.15	- 0.48	+ 2.44	26 22 6.68	47.382	+ 27.4	64.0	10 2 . .	.	.	.
September 1, La.													
24	Sun I, N. . .	11	43 4.94	- 0.49	+ 2.46	30 34 1.80	44.348	+ 32.5	63.4	10 43 6.91	+ 64.26	+ 8 17 4.8	.
25	Sun II, S. . .	11	45 13.46	- 0.49	+ 2.46	31 6 3.35	43.318	+ 33.2	63.4	10 45 15.43	- 64.26	+ 7 45 20.4	.
26	α Canum Venat. . .	11	51 12.22	- 0.45	+ 2.53	359 58 2.10	48.166	0.0	62.4	12 51 . .	.	.	.
27	α Virginis . . .	11	19 46.05	- 0.54	+ 2.48	49 28 3.42	44.900	+ 1 3.9	63.1	13 19 . .	.	.	.
28	α Ursæ Minoris S. P.	6	22 3.07	+ 3.25	[+ 2.53]	307 38 9.58	45.227	- 1 10.6	[63.1]	1 22 . .	.	.	.
29	η Bootis . . .	11	49 46.74	- 0.47	+ 2.56	19 56 2.85	46.050	+ 19.9	63.2	13 49 . .	.	.	.
30	α Bootis . . .	11	10 57.73	- 0.47	+ 2.53	19 8 2.70	45.240	+ 19.0	63.2	14 10 . .	.	.	.
31	Moon I, N. . .	11	29 14.38	- 0.61	+ 2.54	59 40 15.75	47.738	+ 1 33.4	63.4	14 29 16.31	+ 72.08	- 20 51 15.9	.
32	α^2 Libræ . . .	11	45 11.32	- 0.56	+ 2.53	54 26 3.82	48.701	+ 1 16.5	64.2	14 45 . .	.	.	.
September 1, B.													
33	Venus S. . .	.	.	.	.	19 34 6.05	37.605	+ 19.6	63.8	8 14 . .	.	+ 19 16 6.8	.
34	Venus N. . .	.	.	.	.	19 34 6.05	36.785	+ 19.6	63.8	.	.	+ 19 16 22.7	.
September 2, B.													
35	Sun S. . .	.	.	.	.	31 28 4.95	43.245	+ 33.6	63.8	10 47 . .	.	+ 7 23 22.1	.
36	Sun N. . .	.	.	.	.	30 56 4.35	44.000	+ 32.9	63.8	.	.	+ 7 55 7.1	.
37	β Corvi . . .	11	28 57.92	- 0.52	+ 2.79	61 40 4.25	43.738	+ 1 41.1	64.7	12 29 . .	.	.	.
38	α Ursæ Minoris S. P.	4	21 58.42	+ 8.34	[+ 2.90]	307 38 3.50	45.555	- 1 10.5	[63.3]	1 22 . .	.	.	.
39	η Bootis . . .	11	49 46.35	- 0.46	+ 2.91	19 56 5.80	45.934	+ 19.9	64.0	13 49 . .	.	.	.
40	α Bootis . . .	11	10 57.35	- 0.46	+ 2.89	19 8 5.88	45.090	+ 19.1	63.5	14 10 . .	.	.	.
41	ρ Bootis . . .	11	27 22.91	- 0.47	+ 2.94	8 2 5.38	44.512	+ 7.8	64.1	14 27 . .	.	.	.
42	ϵ Bootis . . .	11	40 28.89	- 0.47	+ 2.90	11 20 5.38	47.201	+ 11.1	63.2	14 40 . .	.	.	.
43	α^2 Libræ . . .	11	44 10.95	- 0.50	+ 2.82	54 26 6.32	48.558	+ 1 16.7	64.2	14 45 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
27 7 55	29.822	76.8	76.1	8, 28.	Bisections at C ₃ , C ₂ , C ₁ .	2	+ 2.6	.	+ 0.3	+ 2.9
28 11 50	29.824	82.0	80.3	12, 33.	Bisections at I, VII.	4	+ 6.6	.	- 0.7	+ 5.9
30 12 35	29.826	82.5	81.1	13, 34.	Bisections at II, VI.	12	+ 2.6	+ 7.0	.	+ 9.6
31 8 6	29.938	71.9	69.0	14, 20, 24, 35.	Bisections at I, II.	13	+ 2.6	- 7.0	+ 0.1	- 4.3
10 42	29.912	75.2	73.3	15, 25, 36, 41.	Bisections at VI, VII.	14	+ 4.4	- 15 49.7	.	- 15 45.3
12 14	29.900	77.8	75.4	18.	Bisections at C ₃ , C ₂ .	15	+ 4.5	+ 15 49.8	.	+ 15 54.3
13 34	29.900	78.2	76.3	23.	Bisections at I, II, VI.	16	+ 7.1	.	- 0.9	+ 6.2
14 17	29.896	78.6	77.1	31.	Bisections at II, III, IV, V, VI.	24	+ 4.4	- 15 52.2	.	- 15 47.8
14 30	29.896	78.5	76.7	33, 34.	Z. D. thread A used.	25	+ 4.5	+ 15 52.1	.	+ 15 56.6
10 3	29.980	80.1	79.0	38.	Bisections at C ₅ , C ₄ , C ₃ .	31	+ 51 11.9	- 16 13.6	.	+ 34 58.3
12 51	29.932	80.4	80.3			33	+ 2.6	+ 8.0	.	+ 10.6
13 33	29.924	81.8	81.5			34	+ 2.6	- 8.0	+ 0.1	- 5.3
14 20	29.916	81.2	80.9			35	+ 4.6	+ 15 52.5	.	+ 15 57.1
14 45	29.906	81.0	80.8			36	+ 4.5	- 15 52.4	.	- 15 47.9
8 20	29.872	77.2	76.9							
10 49	29.876	80.2	79.3							
12 30	29.874	82.0	80.9							
13 30	29.868	81.4	80.3							
14 5	29.870	80.6	79.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	β Librae	11	11 28.07	- 0.48	+ 2.84	47 50 7.32	47.079	+ 1 0.6	63.1	15 11 . .	.	.	.
2	Moon I, N.	11	31 6.31	- 0.53	+ 2.91	63 34 8.80	43.948	+ 1 50.3	63.8	15 31 8.69	+74.19	- 24 44 12.8	.
3	α Serpentis	11	38 11.72	- 0.46	+ 2.95	32 6 9.10	44.455	+ 34.5	64.0	15 39 . .	.	.	.
September 2, S.													
4	α^2 Geminorum	11	28 1.80	- 0.37	+ 3.09	6 44 4.72	46.198	+ 6.7	62.7	7 28 . .	.	.	.
5	α Canis Minoris	11	33 54.25	- 0.39	+ 3.03	33 22 5.80	42.885	+ 37.3	62.8	7 33 . .	.	.	.
6	β Geminorum	11	39 0.67	- 0.37	+ 3.18	10 34 4.72	47.060	+ 10.6	61.2	7 39 . .	.	.	.
7	Venus I, N.	6	19 22.67	- 0.38	+ 3.10	19 46 4.80	36.885	+ 20.3	62.5	8 19 25.39	+ 0.30	+ 19 4 19.9	.
8	Venus II, S.	5	19 23.54	- 0.38	+ 3.10	19 46 4.80	37.648	+ 20.3	62.5	8 19 26.26	- 0.57	+ 19 4 5.4	.
September 3, S.													
9	Sun I, N.	11	50 18.78	- 0.39	+ 3.12	31 16 5.18	50.355	+ 34.0	62.5	10 50 21.51	+64.25	+ 7 33 3.8	.
10	Sun II, S.	11	52 27.28	- 0.39	+ 3.12	31 48 7.08	49.448	+ 34.8	62.5	10 52 30.01	-64.25	+ 7 1 16.7	.
11	Mercury C, C.	11	20 1.44	- 0.42	+ 3.13	44 44 4.05	44.834	+ 55.3	62.5	12 20 4.15	+ 0.11	- 5 53 31.3	.
12	α Canum Venat.	11	51 11.46	- 0.32	+ 3.15	359 58 . .	.	.	.	12 51 . .	.	.	.
13	α Ursae Minoris S. P.	5	22 2.44	+ 4.89	[+ 3.14]	307 38 1.48	45.679	- 1 11.9	[61.9]	1 22 . .	.	.	.
14	α Bootis	11	10 56.96	- 0.38	+ 3.19	19 8 4.30	45.101	+ 19.3	62.2	14 10 . .	.	.	.
15	ϵ Bootis	11	40 28.48	- 0.37	+ 3.19	11 20 4.35	47.186	+ 11.2	61.8	14 40 . .	.	.	.
16	α^2 Librae	11	45 10.60	- 0.44	+ 3.10	54 26 4.32	48.549	+ 1 17.9	63.3	14 45 . .	.	.	.
17	β Librae	11	11 27.65	- 0.42	+ 3.19	47 50 5.05	47.138	+ 1 1.6	63.9	15 11 . .	.	.	.
18	δ Scorpii	11	54 14.94	- 0.47	+ 3.12	61 10 3.68	43.772	+ 1 41.2	62.2	15 54 . .	.	.	.
19	β^1 Scorpii	11	59 27.23	- 0.46	+ 3.09	58 22 4.10	43.340	+ 1 30.5	62.7	15 59 . .	.	.	.
20	α Scorpii	11	23 6.20	- 0.49	+ 3.13	65 2 4.42	44.338	+ 1 59.7	62.6	16 23 . .	.	.	.
21	Moon I, N.	11	35 47.35	- 0.50	+ 3.15	65 47 57.18	42.933	+ 2 4.0	62.5	16 35 50.00	+75.46	- 26 57 56.7	.
September 3, La.													
22	δ Geminorum	11	13 58.03	- 0.32	+ 3.33	16 40 10.32	46.910	+ 17.1	61.4	7 14 . .	.	.	.
23	α^2 Geminorum	11	28 1.49	- 0.30	+ 3.36	6 44 4.35	46.207	+ 6.8	61.1	7 28 . .	.	.	.
24	α Canis Minoris	11	33 53.96	- 0.37	+ 3.32	33 22 5.25	42.826	+ 37.5	61.3	7 33 . .	.	.	.
25	β Geminorum	11	39 0.43	- 0.31	+ 3.39	10 34 4.40	47.149	+ 10.7	61.3	7 39 . .	.	.	.
26	Venus I, N.	6	24 13.85	- 0.33	+ 3.36	19 58 6.40	48.518	+ 20.7	61.3	8 24 16.88	+ 0.30	+ 18 51 48.8	.
27	Venus II, S.	5	24 14.72	- 0.33	+ 3.36	19 58 6.40	49.348	+ 20.7	61.3	8 24 17.75	- 0.57	+ 18 51 33.0	.
September 4, La.													
28	Sun I, S.	11	53 55.27	- 0.37	+ 3.40	32 12 5.68	43.785	+ 35.5	61.3	10 53 58.30	+64.22	+ 6 39 6.6	.
29	Sun II, N.	11	56 3.72	- 0.37	+ 3.40	31 40 9.75	44.268	+ 34.8	61.3	10 56 6.75	-64.23	+ 7 10 52.1	.
30	β Leonis	11	43 47.17	- 0.34	+ 3.38	23 41 58.78	45.981	+ 24.7	62.1	11 43 . .	.	.	.
31	Mercury C, C.	10	21 30.87	- 0.41	+ 3.42	45 2 4.92	44.381	+ 56.2	61.3	12 21 33.88	+ 0.12	- 6 11 25.6	.
32	α Canum Venat.	8	51 11.03	- 0.28	+ 3.53	359 58 3.48	47.935	+ 0.0	60.2	12 51 . .	.	.	.
33	α Virginis	11	19 45.03	- 0.43	+ 3.36	49 28 4.28	44.669	+ 1 5.6	61.3	13 19 . .	.	.	.
34	α Ursae Minoris S. P.	5	22 8.16	- 0.36	[+ 3.46]	307 38 1.98	45.745	- 1 12.4	[62.7]	1 22 . .	.	.	.
35	η Bootis	11	49 45.70	- 0.33	+ 3.44	19 56 3.35	45.945	+ 20.4	62.0	13 49 . .	.	.	.
36	α Ophiuchi	11	30 9.02	- 0.45	+ 3.58	26 12 6.02	47.066	+ 27.9	60.8	17 30 . .	.	.	.
37	Moon I, N.	11	41 32.36	- 0.61	+ 3.46	66 9 59.78	40.873	+ 2 7.7	60.9	17 41 35.21	+75.39	- 27 19 25.0	.
38	γ^2 Sagittarii	11	59 12.84	- 0.61	+ 3.42	69 14 4.22	46.496	+ 2 28.9	60.7	17 59 . .	.	.	.
39	δ Ursae Minoris	7	5 17.49	- 1.46	[+ 3.47]	312 16 5.18	43.010	- 1 2.2	[61.9]	18 5 . .	.	.	.
40	μ^1 Sagittarii	11	7 37.26	- 0.55	+ 3.46	59 54 5.02	47.665	+ 1 37.8	60.6	18 7 . .	.	.	.
41	σ Sagittarii	11	48 54.26	- 0.58	+ 3.40	65 14 5.70	47.346	+ 2 3.1	61.4	18 48 . .	.	.	.
42	d Sagittarii	11	11 37.85	- 0.54	+ 3.46	57 58 7.15	44.604	+ 1 31.0	61.2	19 11 . .	.	.	.
September 5, S.													
43	b Ophiuchi	11	20 5.35	- 0.40	+ 3.51	62 54 4.60	46.485	+ 1 48.7	61.6	17 20 . .	.	.	.
44	γ^2 Sagittarii	11	59 12.78	- 0.42	+ 3.27	69 14 4.02	46.660	+ 2 26.5	61.2	17 59 . .	.	.	.
45	δ Ursae Minoris	5	5 19.95	- 4.35	[+ 3.40]	312 16 . .	.	.	.	18 5 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
2 14 55	29.872	80.0	78.9	2.	Bisections at III, IV, V.	2	+53 4.3	-16 12.8	.	+36 51.5
15 38	29.878	78.4	77.5	4, 6, 10, 29, 32, 40, 43.	Bisections at VI, VII.	7	+ 53 2.6	- 7.3	+ 0.1	- 4.6
7 38	30.064	70.2	66.6	7, 8.	Z. D. thread A used.	8	+ 53 2.6	- 7.3	.	+ 9.9
10 57	30.079	72.3	69.1	7, 26.	Bisections at I, VII.	9	+ 53 4.5	-15 53.5	.	-15 49.0
12 54	30.074	74.5	72.3	8, 27.	Bisections at II, VI.	10	+ 53 4.6	+15 53.5	.	+15 58.1
14 15	30.060	75.6	73.3	9, 28.	Bisections at I, II.	11	+ 53 7.6	.	- 1.0	+ 6.6
15 5	30.051	75.0	73.5	13.	Bisections at C ₁ , C ₄ , C ₃ , C ₂ , C ₁ .	21	+53 55.1	-16 10.3	.	+37 44.8
16 3	30.051	75.0	73.5	18.	Bisections at II, VI, VII.	26	+ 53 2.6	- 8.0	+ 0.2	- 5.2
16 42	30.080	72.5	71.1	21, 37.	Bisections at II, III, IV, V, VI.	27	+ 53 2.6	- 8.0	.	+ 10.6
7 14	30.190	67.2	64.3	34.	Bisections at C ₃ , C ₂ , C ₁ .	28	+ 53 4.7	+15 52.7	.	+15 57.4
7 39	30.200	67.4	65.8	39.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	29	+ 53 4.6	-15 52.7	.	-15 48.1
8 27	30.212	70.0	67.0			31	+ 53 7.8	.	- 1.0	+ 6.8
11 44	30.210	73.2	71.2			37	+53 51.3	-16 6.4	.	+37 44.9
11 22	30.194	74.6	72.3							
13 8	30.184	74.8	72.8							
13 50	30.176	74.8	72.7							
17 30	30.166	69.8	67.2							
18 33	30.164	67.6	65.3							
19 12	30.172	66.6	64.1							
5 17 29	30.102	74.2	73.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	μ Sagittarii	11	7 37.19	- 0.40	+ 3.37	59 54 0.08	48.040	+ 1 36.6	61.8	18 7 . .			
2	Moon I, S.	11	46 4.03	- 0.42	+ 3.41	65 10 52.28	44.138	+ 2 1.2	61.5	18 46 7.02	+73.94	- 26 21 13.0	
3	σ Sagittarii	11	48 54.02	- 0.41	+ 3.46	65 10 52.28	47.258	+ 2 1.6	61.5	18 48 . .			
4	d Sagittarii	11	11 37.75	- 0.40	+ 3.41	57 58 4.18	44.825	+ 1 30.0	61.5	19 11 . .			
September 6, S.													
5	γ^2 Sagittarii	11	59 12.49	- 0.45	+ 3.58	69 14 5.62	46.749	+ 2 24.7	62.7	17 59 . .			
6	δ Ursæ Minoris . . .	5	5 19.51	- 4.54	[+ 3.58]	312 16 4.55	42.957	- 1 0.4	[62.3]	18 5 . .			
7	σ Sagittarii	11	48 53.99	- 0.44	+ 3.51	65 14 6.48	47.559	+ 1 59.4	62.6	18 48 . .			
8	d Sagittarii	11	11 37.52	- 0.43	+ 3.66	57 58 5.88	44.856	+ 1 28.3	62.1	19 11 . .			
9	κ Aquilæ	11	31 21.83	- 0.42	+ 3.62	46 6 6.42	43.598	+ 57.5	61.7	19 31 . .			
10	Moon I, S.	5	47 28.42	- 0.45	+ 3.59	62 0 5.48	48.337	+ 1 44.1	62.3	19 47 31.56	+71.56	- 23 11 28.9	
11	α^2 Capricorni	11	12 21.55	- 0.43	+ 3.58	51 42 5.22	44.420	+ 1 10.3	62.4	20 12 . .			
September 6, L.													
12	Venus I, S.	6	38 45.77	- 0.52	+ 4.10	20 40 3.85	45.950	+ 20.9	63.6	8 38 49.35	+ 0.31	+ 18 10 42.7	
13	Venus II, N.	5	38 46.64	- 0.52	+ 4.10	20 40 3.85	45.195	+ 20.9	63.6	8 38 50.22	- 0.56	+ 18 10 57.3	
14	α Hydræ	11	22 29.69	- 0.53	+ 4.08	47 4 4.02	42.342	+ 59.0	63.3	9 22 . .			
15	α Leonis	11	2 51.64	- 0.52	+ 4.07	26 22 6.12	47.440	+ 27.2	64.5	10 2 . .			
16	γ^1 Leonis	11	14 16.09	- 0.53	+ 4.16	18 30 2.42	43.286	+ 18.4	62.1	10 14 . .			
September 7, L.													
17	Sun I, S.	11	4 44.01	- 0.52	+ 4.11	33 18 8.78	47.620	+ 35.9	63.6	11 4 47.60	+64.12	+ 5 31 51.9	
18	Sun II, N.	11	6 52.25	- 0.52	+ 4.11	32 46 8.22	48.120	+ 35.2	63.6	11 6 55.84	-64.12	+ 6 3 41.7	
19	α Canum Venat. . . .	11	51 10.66	- 0.57	+ 4.17	0 0 3.28	41.972	0.0	63.6	12 51 . .			
20	α Ursæ Minoris S. P.	10	21 58.48	+10.65	[+ 4.11]	307 38 1.77	45.832	- 1 10.0	[65.6]	1 22 . .			
21	η Bootis	11	49 45.23	- 0.52	+ 4.07	19 56 5.18	46.015	+ 19.7	64.3	13 49 . .			
22	α Bootis	11	10 56.23	- 0.53	+ 4.12	19 8 3.60	45.272	+ 18.8	64.0	14 10 . .			
23	π Capricorni	11	21 26.63	- 0.65	+ 4.06	57 22 6.85	47.081	+ 1 26.7	64.4	20 21 . .			
24	ε Delphini	11	28 17.73	- 0.59	+ 4.19	27 54 8.32	42.848	+ 29.5	63.0	20 28 . .			
25	Moon I, S.	11	44 52.73	- 0.67	+ 4.16	57 34 9.28	44.769	+ 1 27.5	63.4	20 44 56.22	+68.89	- 18 44 6.6	
26	ζ Cygni	11	8 33.15	- 0.58	+ 4.19	9 2 7.12	46.656	+ 8.9	63.3	21 8 . .			
27	ι H. Draconis S. P.	8	22 21.97	+ 0.74	[+ 4.48]	300 40 5.75	43.455	- 1 33.5	[64.8]	9 22 . .			
28	β Aquarii	11	26 8.95	- 0.62	+ 4.19	44 52 8.72	43.406	+ 55.6	62.8	21 26 . .			
September 7, S.													
29	α^2 Geminorum	11	28 0.66	- 0.66	+ 4.67	6 44 3.30	46.450	+ 6.7	64.3	7 28 . .			
30	α Canis Minoris . . .	11	33 52.97	- 0.63	+ 4.67	33 22 5.15	42.996	+ 36.8	63.8	7 33 . .			
31	β Geminorum	11	38 59.56	- 0.65	+ 4.71	10 34 3.72	47.294	+ 10.5	62.8	7 39 . .			
32	Venus I.	6	43 35.35	- 0.63	+ 4.70	20 54 . .				8 43 39.42	+ 0.29		
33	Venus II	5	43 36.16	- 0.63	+ 4.70					8 43 40.23	- 0.52		
September 8, S.													
34	Sun I, N.	11	8 19.52	- 0.63	+ 4.73	33 8 7.25	50.220	+ 35.7	64.4	11 8 23.62	+64.06	+ 5 41 4.5	
35	Sun II, S.	11	10 27.65	- 0.63	+ 4.73	33 40 4.52	49.520	+ 36.4	64.4	11 10 31.75	-64.07	+ 5 9 18.2	
36	Mercury C, C. . . .	11	24 32.55	- 0.63	+ 4.75	45 48 3.02	45.778	+ 55.8	64.7	12 24 36.67	+ 0.14	- 6 57 46.7	
37	α Canum Venat. . . .	11	51 10.16	- 0.68	+ 4.77	359 58 2.75	48.308	0.0	64.4	12 51 . .			
38	α Virginis	11	19 43.87	- 0.64	+ 4.71	49 28 3.15	45.039	+ 1 3.4	65.3	13 19 . .			
39	α Ursæ Minoris S. P.	9	21 58.70	+10.33	[+ 4.75]	307 38 0.95	45.953	- 1 9.9	[64.8]	1 22 . .			
40	η Bootis	11	49 44.63	- 0.63	+ 4.77	19 56 3.02	46.166	+ 19.7	64.9	13 49 . .			
41	η Bootis	11	10 55.52	- 0.63	+ 4.82	19 8 2.65	45.378	+ 18.8	65.0	14 10 . .			
42	d Sagittarii	11	11 36.71	- 0.74	+ 4.75	57 58 5.05	45.022	+ 1 27.8	64.0	19 11 . .			
43	λ Ursæ Minoris . . .	5	25 24.88	-10.04	[+ 4.74]	309 54 3.10	42.791	- 1 5.6	64.7	19 25 . .			
44	α^2 Capricorni	11	12 20.64	- 0.72	+ 4.76	51 42 5.12	44.520	+ 1 9.8	63.8	20 12 . .			
45	γ Cygni	11	18 30.90	- 0.69	+ 4.86	358 56 2.38	43.251	- 1.0	63.6	20 18 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
5 18 36	30.110	71.6	70.1	1.	Bisection at VII.	2	+53 10.0	+16 1.4		+69 11.4
18 28	30.108	69.6	68.0	2.	Bisections at II, IV, VI.	10	+51 23.7	+15 55.3		+67 19.0
6 18 9	30.049	78.8	78.6	3, 9, 18, 35.	Bisections at VI, VII.	12	+ 2.7	+ 7.4		+ 10.1
19 2	30.056	77.3	77.8		Z. D. thread A used.	13	+ 2.7	+ 7.4	+ 0.2	- 4.5
20 7	30.062	75.8	76.0	3.		17	+ 4.8	+15 54.9		+15 59.7
8 35	30.138	79.9	79.2	6, 43.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	18	+ 4.7	+15 54.8		-15 50.1
9 24	30.130	82.5	82.9	10.	Bisections at III, IV, V.	25	+48 44.8	+15 48.3		+64 33.1
10 15	30.128	84.7	84.1	12.	Bisections at I, VII.	34	+ 4.8	-15 53.1		-15 48.3
7 11 7	30.119	86.4	86.2	13.	Bisections at II, VI.	35	+ 4.8	+15 53.2		+15 58.0
13 28	30.100	89.8	88.9	17, 34.	Bisections at I, II.	36	+ 8.5		- 1.3	+ 7.2
13 50				20.	Bisections at C ₁ , C ₂ , C ₃ .					
14 11	30.094	89.9	89.2	25.	Bisections at II, III, IV, V, VI.					
20 31	30.070	77.8	75.1	27.	Bisections at D ₃ , D ₁ .					
21 28	30.076	76.1	73.3	39	Bisections at D ₃ , D ₂ , D ₁ .					
7 44	30.078	75.7	74.2							
8 49	30.079	79.0	77.5							
11 11	30.036	85.2	84.2							
12 30	30.014	87.8	87.0							
13 42	29.999	88.3	87.1							
14 14	29.979	88.7	88.0							
19 35	29.950	79.1	78.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Cygni	II	37 54.15	- 0.70	[+ 4.98]	353 56 1.68	46.276	- 5.8	64.2	20 37 . .	. .		. .
2	μ Aquarii	II	47 6.12	- 0.71	+ 4.80	48 12 5.18	45.773	+ 1.8	63.6	20 47 . .	. .		. .
3	α Cephei	IO	16 6.64	- 0.81	[+ 4.75]	336 42 2.58	46.478	- 23.7	64.3	21 16 . .	. .		. .
4	β Aquarii	8	26 8.40	- 0.70	+ 4.82	44 52 5.72	43.705	+ 55.1	63.7	21 26 . .	. .		. .
5	Moon I, S.	II	38 22.49	- 0.74	+ 4.80	52 11 58.18	48.492	+ 11.4	63.8	21 38 26.55	+66.48	13 22 50.4	. .
6	B. D. + 51°, 3324 .	II	14 38.73	- 0.73	+ 4.80	346 44 3.48	41.222	- 13.0	64.2	22 14 42.80	- 3.84	+ 52 8 47.8	-23.1
7	η Aquarii	II	30 3.99	- 0.69	+ 4.80	39 28 5.92	48.375	+ 45.7	63.8	22 30 . .	. .		. .
	September 8, B.												
8	ϵ Hydrae	II	41 16.95	- 0.62	+ 5.13	32 2 5.40	48.249	+ 34.6	66.3	8 41 . .	. .		. .
9	Venus I, N.	5	48 24.48	- 0.60	+ 5.13	21 10 3.68	44.572	+ 21.4	66.3	8 48 29.01	+ 0.34	+ 17 41 11.6	. .
10	Venus II, S.	6	48 25.42	- 0.60	+ 5.13	21 10 3.68	45.370	+ 21.4	66.3	8 48 29.95	- 0.60	+ 17 40 56.2	. .
11	α Hydrae	II	22 28.78	- 0.64	+ 5.14	47 4 4.12	42.505	+ 58.9	66.6	9 22 . .	. .		. .
12	α Leonis	II	2 50.70	- 0.61	+ 5.13	26 22 5.08	47.591	+ 27.1	66.2	10 2 . .	. .		. .
13	γ^1 Leonis	II	14 15.14	- 0.60	+ 5.20	18 30 5.48	43.310	+ 18.3	65.3	10 14 . .	. .		. .
	September 9, B.												
14	Sun I	II	11 54.97	- 0.62	+ 5.18	33 48 . .	. .	. .	. .	11 11 59.53	+64.01		. .
15	Sun II	II	14 2.99	- 0.62	+ 5.18		. .	. .	. .	11 14 7.55	-64.01		. .
16	Mercury C.	. .	. .	. .	. .	45 52 2.00	46.570	+ 55.8	65.3	12 24 . .	. .	- 7 2 1.6	. .
17	α Canum Venat. . .	II	51 9.61	- 0.62	+ 5.26	359 58 0.32	48.438	0.0	64.3	12 51 . .	. .		. .
18	α Virginis	II	19 43.45	- 0.65	+ 5.13	49 28 3.00	45.052	+ 3.1	65.2	13 19 . .	. .		. .
19	α Ursæ Minoris S. P.	6	22 2.05	+ 7.04	[+ 5.20]	307 38 1.32	45.750	- 9.7	[63.0]	1 22 . .	. .		. .
20	η Bootis	II	49 44.10	- 0.60	+ 5.26	19 56 4.28	46.101	+ 19.6	64.8	13 49 . .	. .		. .
21	α Bootis	II	10 54.98	- 0.60	+ 5.32	19 8 6.05	45.196	+ 18.8	64.8	14 10 . .	. .		. .
22	α^2 Libræ	II	45 8.67	- 0.67	+ 5.19	54 26 4.85	48.744	+ 15.5	65.5	14 45 . .	. .		. .
23	δ Aquilæ	II	20 17.21	- 0.69	+ 5.46	35 55 58.50	45.215	+ 40.0	64.7	19 20 . .	. .		. .
24	λ Ursæ Minoris . .	6	25 19.55	- 6.66	[+ 5.44]	309 53 56.80	43.067	- 5.6	63.8	19 25 . .	. .		. .
25	α Cygni	II	37 53.69	- 0.64	[+ 5.36]	353 55 54.55	46.621	- 5.8	63.9	20 37 . .	. .		. .
26	α Cephei	II	16 6.03	- 0.69	[+ 5.22]	336 42 5.85	46.255	- 23.7	64.5	21 16 . .	. .		. .
27	ϵ Aquarii	II	32 15.85	- 0.73	+ 5.39	47 7 51.92	48.901	+ 59.7	65.2	21 32 . .	. .		. .
28	μ Capricorni	II	47 40.79	- 0.75	+ 5.34	52 52 6.55	45.009	+ 13.2	65.2	21 47 . .	. .		. .
29	α Aquarii	II	0 29.16	- 0.70	+ 5.42	39 40 7.35	43.148	+ 46.0	64.9	22 0 . .	. .		. .
30	B. D. + 51°, 3324 .	IO	14 38.18	- 0.65	+ 5.42	346 43 39.95	42.505	- 13.0	64.1	22 14 42.95	- 3.84	+ 52 8 46.6	-23.4
31	Moon I, S.	II	28 42.52	- 0.74	+ 5.42	46 21 8.52	44.153	+ 58.2	64.8	22 28 47.20	+64.65	- 7 30 23.5	. .
32	λ Aquarii	II	47 14.21	- 0.73	+ 5.40	46 58 7.62	43.700	+ 59.5	64.8	22 47 . .	. .		. .
	September 9, L.												
33	ϵ Hydrae	II	41 16.68	- 0.57	+ 5.37	32 2 4.42	48.238	+ 34.4	65.0	8 41 . .	. .		. .
34	Venus I, S.	6	53 13.38	- 0.57	+ 5.39	21 26 4.32	44.442	+ 21.6	64.9	8 53 18.20	+ 0.33	+ 17 25 11.8	. .
35	Venus II, N.	5	53 14.28	- 0.57	+ 5.39	21 26 4.32	43.740	+ 21.6	64.9	8 53 19.10	- 0.57	+ 17 25 25.4	. .
36	α Hydrae	II	22 28.43	- 0.59	+ 5.45	47 4 5.72	42.334	+ 58.8	64.8	9 22 . .	. .		. .
37	γ^1 Leonis	II	14 14.92	- 0.57	+ 5.40	18 30 2.95	43.378	+ 18.3	65.3	10 14 . .	. .		. .
	September 10, L.												
38	Sun I, N.	II	15 30.09	- 0.57	+ 5.45	33 54 16.58	47.928	+ 36.5	65.6	11 15 34.97	+64.09	+ 4 55 39.5	. .
39	Sun II, S.	II	17 38.27	- 0.57	+ 5.45	34 26 4.85	48.040	+ 37.2	65.6	11 17 43.15	-64.09	+ 4 23 46.6	. .
40	β Leonis	II	43 45.35	- 0.57	+ 5.45	23 42 4.80	45.950	+ 23.8	66.0	11 43 . .	. .		. .
41	Mercury C, C. . . .	II	24 3.45	- 0.59	+ 5.47	45 52 4.50	49.118	+ 57.6	65.9	12 24 8.33	+ 0.15	- 7 2 52.8	. .
42	α Canum Venat. . .	II	51 9.36	- 0.60	+ 5.48	359 58 . .	. .	. .	. .	12 51 . .	. .		. .
43	α Virginis	II	19 43.04	- 0.60	+ 5.49	49 27 59.92	45.292	+ 2.9	66.5	13 19 . .	. .		. .
44	α Ursæ Minoris S. P.	9	22 0.41	+ 8.92	[+ 5.46]	307 38 10.28	45.525	- 9.4	[67.6]	1 22 . .	. .		. .
45	η Bootis	II	49 43.80	- 0.57	+ 5.52	19 56 5.20	46.119	+ 19.5	65.8	13 49 . .	. .		. .
46	α Aquarii	II	0 28.97	- 0.46	+ 5.37	39 40 8.42	43.125	+ 45.9	65.5	22 0 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
8 20 27	29.952	78.2	76.9	2.	Bisections at I, VI, VII.	5	+45 14.8	+15 40.3	. .	+60 55.1
21 48	29.952	76.3	75.0	3.	Bisections at B ₁ , C ₁ , C ₅ , D ₃ .	9	+ 2.7	- 7.8	+ 0.2	- 4.9
22 27	29.945	75.8	74.3	4, 38.	Bisections at I, II.	10	+ 2.7	+ 7.8	. .	+ 10.5
8 45	30.012	80.0	79.1	5.	Bisections at II, III, IV, VI, VI.	16	+ 8.7	. .	- 1.4	+ 7.3
9 55	30.012	84.0	84.1	9, 35, 41.	Bisections at II, VI.	31	+41 1.4	+15 31.6	. .	+56 33.0
10 20	30.014	85.2	85.1	10, 34.	Bisections at I, VII.	34	+ 2.7	+ 6.9	. .	+ 9.6
12 30	30.000	89.4	88.3	16, 37, 39.	Bisections at VI, VII.	35	+ 2.7	- 6.9	+ 0.2	- 4.0
13 30	29.984	89.4	89.0	19.	Bisections at C ₃ , C ₂ , C ₁ .	38	+ 4.9	-15 56.4	. .	-15 51.5
14 11	29.980	89.6	89.0	24.	Bisections at C ₃ , C ₄ , C ₅ .	39	+ 4.9	+15 56.5	. .	+16 1.4
14 48	29.976	89.2	89.0	31.	Bisections at III, IV, V.	41	+ 8.8	. .	- 1.5	+ 7.3
19 35	29.986	79.8	78.5	44.	Bisections at C ₃ , C ₂ , C ₁ .					
19 55	29.983	79.8	78.5							
20 45	29.990	78.4	77.1							
21 20	30.000	78.0	76.9							
21 55	30.008	77.2	75.3							
22 55	30.010	76.0	74.1							
8 43	30.056	82.7	81.9							
9 23	30.066	84.8	83.8							
10 14	30.068	86.8	86.0							
11 18	30.055	83.9	83.2							
11 44	30.048	89.9	89.8							
12 24	30.040	90.6	90.9							
13 28	30.022	92.2	91.4							
13 51	30.020	92.9	92.0							
21 56	30.010	78.2	77.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	♏ Aquarii	11	11 23.41	- 0.47	+ 5.39	47 8 7.75	44.160	+ 59.6	64.8	22 11 . . .	.	.	.
2	B. D. + 51°, 3324 .	11	14 38.04	- 0.53	+ 5.45	346 44 7.85	41.094	- 13.0	65.3	22 14 42.96	- 3.82	+ 52 8 47.0	-23.7
3	♈ H. Draconis s. p. .	8	26 15.20	+ 0.56	[+ 6.26]	295 8 3.60	44.025	- 56.8	[66.5]	10 26 . . .	.	.	.
4	♏ Pegasi	11	59 36.84	- 0.45	+ 5.53	24 12 7.90	43.204	+ 24.9	65.5	22 59 . . .	.	.	.
5	♏ Moon I, N.	11	16 53.52	- 0.47	+ 5.45	39 46 9.05	45.042	+ 46.1	65.3	23 16 58.50	+ 63.49	- 0 55 28.3	.
6	♏ Moon II	11	19 0.50	- 0.47	+ 5.45	40 2 . . .	.	.	.	23 19 5.48	- 63.49	.	.
7	♏ Piscium	11	22 43.75	- 0.45	+ 5.50	33 2 6.80	43.471	+ 36.0	65.3	23 22 . . .	.	.	.
September 10, La.													
8	Venus I, N.	5	58 1.70	- 0.46	+ 5.97	21 42 4.50	44.270	+ 21.8	67.0	8 58 7.21	+ 0.25	+ 17 9 16.8	.
9	Venus II, S.	6	58 2.37	- 0.46	+ 5.97	21 42 4.50	44.988	+ 21.8	67.0	8 58 7.88	- 0.42	+ 17 9 3.2	.
10	♏ Leonis	9	39 57.05	- 0.47	+ 6.00	14 36 1.65	46.318	+ 14.2	66.1	9 40 . . .	.	.	.
11	♏ Leonis	11	2 49.70	- 0.46	+ 6.01	26 22 4.90	47.681	+ 26.9	67.4	10 2 . . .	.	.	.
12	♏ Leonis	9	14 14.26	- 0.46	+ 5.97	18 30 2.92	43.582	+ 18.1	67.5	10 14 . . .	.	.	.
September 11, La.													
13	♏ Sun I, N.	11	19 5.00	- 0.46	+ 6.02	34 18 8.48	44.728	+ 36.7	67.0	11 19 10.56	+ 64.03	+ 4 32 50.2	.
14	♏ Sun II, S.	9	21 13.06	- 0.46	+ 6.02	34 49 55.92	44.810	+ 37.5	67.0	11 21 18.62	- 64.03	+ 4 0 58.6	.
15	♏ Leonis	5	43 44.64	- 0.46	+ 6.05	23 42 . . .	.	.	.	11 43 . . .	.	.	.
16	♏ Virginis	11	19 42.35	- 0.48	+ 6.05	49 28 3.98	45.121	+ 2.6	67.1	13 19 . . .	.	.	.
17	♏ Ursæ Minoris s. p. .	6	22 0.40	+ 8.85	[+ 6.05]	307 38 . . .	.	.	.	1 22 . . .	.	.	.
September 13, B.													
18	♏ Aquarii	11	11 21.61	- 0.65	+ 7.37	47 8 7.92	44.125	+ 59.2	62.7	22 11 . . .	.	.	.
19	B. D. + 51°, 3324 .	11	14 36.18	- 0.63	+ 7.39	346 44 6.72	40.854	- 12.9	62.0	22 14 42.94	- 3.79	+ 52 8 49.3	-24.5
20	♏ Aquarii	11	19 58.51	- 0.62	+ 7.35	37 57 59.00	48.239	+ 42.9	62.4	22 20 . . .	.	.	.
21	♏ Aquarii	11	30 1.26	- 0.63	+ 7.48	39 28 0.40	48.594	+ 45.2	62.3	22 30 . . .	.	.	.
22	♏ Cephei	11	45 58.87	- 0.73	[+ 6.95]	333 12 12.90	44.140	- 27.6	61.8	22 46 . . .	.	.	.
23	♏ Cephei	11	14 22.24	- 0.76	[+ 7.03]	331 18 13.92	46.271	- 29.9	62.1	23 14 . . .	.	.	.
24	♏ Pegasi	11	7 53.20	- 0.60	+ 7.51	24 14 7.18	44.274	+ 24.7	62.1	0 8 . . .	.	.	.
25	♏ Piscium	11	57 33.01	- 0.61	+ 7.61	31 30 7.20	45.434	+ 33.7	62.8	0 57 . . .	.	.	.
26	♏ Ursæ Minoris . . .	2	22 16.40	- 7.22	[+ 7.54]	310 6 . . .	.	.	.	1 22 . . .	.	.	.
27	♏ Piscium	11	25 55.53	- 0.60	+ 7.51	24 2 6.52	43.684	+ 24.5	62.9	1 26 . . .	.	.	.
28	♏ Moon II, N.	11	40 49.72	- 0.61	+ 7.60	23 6 6.90	48.101	+ 23.5	62.5	1 40 56.71	- 64.29	+ 15 43 54.9	.
29	♏ Arietis	11	48 54.10	- 0.59	+ 7.64	18 32 6.52	45.988	+ 18.5	62.0	1 49 . . .	.	.	.
September 14, L.													
30	♏ Sun I, S.	11	29 49.66	- 0.61	+ 7.66	35 58 3.40	47.340	+ 39.7	61.3	11 29 56.71	+ 63.99	+ 2 51 56.5	.
31	♏ Sun II, N.	11	31 57.64	- 0.61	+ 7.66	35 26 2.18	47.830	+ 38.9	61.3	11 32 4.69	- 63.99	+ 3 23 47.3	.
32	♏ Ursæ Minoris s. p. .	5	22 3.46	+ 5.88	[+ 7.69]	307 38 1.25	46.002	- 10.0	[63.9]	1 22 . . .	.	.	.
33	♏ Bootis	8	10 52.57	- 0.58	+ 7.66	19 8 4.22	45.205	+ 18.9	61.3	14 10 . . .	.	.	.
34	♏ Bootis	11	27 18.05	- 0.58	+ 7.73	8 2 4.35	44.582	+ 7.7	61.4	14 27 . . .	.	.	.
35	♏ Bootis	11	40 24.03	- 0.58	+ 7.69	11 20 4.25	47.232	+ 11.0	61.3	14 40 . . .	.	.	.
36	♏ Cephei	11	16 3.43	- 0.57	[+ 7.58]	336 42 7.02	46.038	- 23.9	62.8	21 16 . . .	.	.	.
37	♏ H. Draconis s. p. .	11	22 19.49	+ 0.41	[+ 7.97]	300 40 2.60	43.278	- 13.1	60.2	9 22 . . .	.	.	.
38	♏ Aquarii	11	0 26.68	- 0.58	+ 7.78	39 40 9.30	42.794	+ 46.4	60.8	22 0 . . .	.	.	.
39	♏ Aquarii	11	11 21.15	- 0.60	+ 7.78	47 8 7.78	43.975	+ 0.3	60.8	22 11 . . .	.	.	.
40	B. D. + 51°, 3324 .	11	14 35.55	- 0.54	+ 7.78	346 44 6.58	40.901	- 13.1	61.5	22 14 42.79	- 3.79	+ 52 8 48.3	-24.8
41	♏ Aquarii	11	19 58.02	- 0.57	+ 7.79	37 58 7.40	47.662	+ 43.8	60.6	22 20 . . .	.	.	.
42	♏ Arietis	11	48 53.88	- 0.53	+ 7.82	18 32 7.42	45.860	+ 19.0	61.0	1 49 . . .	.	.	.
43	♏ Arietis	11	1 18.84	- 0.53	+ 7.91	15 52 7.95	45.205	+ 16.1	60.5	2 1 . . .	.	.	.
44	♏ Ceti	11	22 37.59	- 0.55	+ 7.91	30 50 8.48	46.096	+ 33.8	60.9	2 22 . . .	.	.	.
45	♏ Moon II, N.	11	30 3.25	- 0.54	+ 7.90	18 48 8.58	45.976	+ 19.3	60.7	2 30 10.61	- 65.52	+ 20 2 36.4	.
46	♏ Ceti	11	37 54.33	- 0.57	+ 7.93	36 2 8.70	45.030	+ 41.2	60.5	2 38 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
10 23 5	30.000	78.1	76.1	I.	Bisections at I, VI.	5	+ 35 53.6	- 15 22.5	.	+ 20 31.1
23 30	30.000	77.9	76.0	3.	Bisections at VI, IV.	8	+ 2.7	- 6.9	+ 0.2	- 4.0
8 51	29.984	83.0	81.8	5.	Bisections at III, IV, V.	9	+ 2.7	+ 6.9	.	+ 9.6
9 40	29.984	86.0	85.3	8.	Bisections at I, VII.	13	+ 4.9	- 15 55.7	.	- 15 50.8
10 14	29.984	88.8	88.0	9.	Bisections at II, VI.	14	+ 5.0	+ 15 55.8	.	+ 16 0.8
11 11 21	29.975	91.2	90.9	10, 14, 31.	Bisections at VI, VII.	28	+ 21 22.9	- 14 57.6	.	+ 6 25.3
13 22 5	29.866	78.4	77.7	13, 18, 30, 33, 39.	Bisections at I, II.	30	+ 5.1	+ 15 55.4	.	+ 16 0.5
22 55	29.864	79.0	79.9	28, 45.	Bisections at II, III, IV, V, VI.	31	+ 5.1	- 15 55.4	.	- 15 50.3
23 20	29.866	78.8	79.3	32.	Bisections at C ₃ , B ₂ , B ₁ .	45	+ 17 25.1	- 14 51.9	.	+ 2 33.2
0 10	29.870	78.8	78.7	37.	Bisections at D ₃ , D ₁ , B ₃ , B ₁ .					
1 5	29.870	78.8	78.9	43.	Bisections at II, VI, VII.					
1 55	29.868	78.0	77.9							
11 32	29.974	83.4	82.6							
13 22	29.960	86.9	85.9							
14 11	29.958	86.2	85.1							
14 27	.	.	85.0							
21 27	30.030	75.3	73.0							
22 24	30.034	73.2	70.5							
1 49	30.034	70.1	67.3							
2 41	30.034	69.1	66.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
September 15, S.													
1	α Aquarii	11	m s 0 26.17	- 0.43	+ 8.13	39 40 6.35	42.944	+ 46.7	61.1	22 0 . . .	s	. . .	. . .
2	θ Aquarii	11	11 20.63	- 0.44	+ 8.14	47 8 5.12	44.044	+ 1 0.8	61.4	22 11 . . .	. . .	. . .	. . .
3	B. D. + 51°, 3324	7	14 35.00	- 0.41	+ 8.14	346 44 5.35	40.773	- 13.2	61.1	22 14 42.73	- 3.78	+ 52 8 50.7	- 25.2
4	γ Cephei	11	45 57.83	- 0.65	[+ 7.90]	333 12 5.25	44.529	- 23.4	60.8	22 46 . . .	. . .	. . .	. . .
5	α Pegasi	11	59 34.19	- 0.42	+ 8.17	24 12 6.68	42.905	+ 25.4	60.5	22 59 . . .	. . .	. . .	. . .
6	θ Cephei	. . .	. . .	. . .	. . .	331 18 4.50	46.830	- 30.8	61.9	23 14 . . .	. . .	. . .	. . .
7	α Ursæ Minoris	7	22 18.53	- 8.80	[+ 8.28]	310 6 4.12	47.167	- 1 6.6	60.5	1 22 . . .	. . .	. . .	. . .
8	η Piscium	11	25 54.62	- 0.42	+ 8.28	24 2 6.40	43.495	+ 25.2	60.6	1 26 . . .	. . .	. . .	. . .
9	β Arietis	11	48 53.34	- 0.42	+ 8.27	18 32 5.65	45.885	+ 19.0	59.9	1 49 . . .	. . .	. . .	. . .
10	ζ Arietis	11	8 54.93	- 0.42	+ 8.39	18 10 4.80	47.742	+ 18.6	59.2	3 9 . . .	. . .	. . .	. . .
11	Moon II, N.	11	21 7.32	- 0.43	+ 8.41	15 26 5.48	45.341	+ 15.7	59.8	3 21 15.30	- 66.87	+ 23 24 54.3	. . .
12	η Tauri	11	41 17.63	- 0.42	+ 8.51	15 4 4.68	43.596	+ 15.3	59.3	3 41 . . .	. . .	. . .	. . .
September 15, B.													
13	Venus I, N.	6	21 55.70	- 0.48	+ 8.75	23 10 4.50	34.068	+ 23.8	62.6	9 22 3.97	+ 0.36	+ 15 41 11.0	. . .
14	Venus II, S.	5	21 56.64	- 0.48	+ 8.75	23 10 4.50	34.850	+ 23.8	62.6	9 22 4.91	- 0.58	+ 15 40 55.9	. . .
15	α Leonis	11	2 47.05	- 0.49	+ 8.76	26 22 5.05	47.419	+ 27.4	62.5	10 2 . . .	. . .	. . .	. . .
September 16, B.													
16	Sun I	11	36 59.04	- 0.50	+ 8.80	. . .	. . .	. . .	. . .	11 37 7.34	+ 63.96	. . .	. . .
17	Sun II, S.	11	39 6.95	- 0.50	+ 8.80	36 44 4.68	48.142	+ 40.8	62.6	11 39 15.25	- 63.95	+ 2 5 38.3	. . .
18	α Virginis	11	19 39.67	- 0.54	+ 8.77	49 28 4.38	44.840	+ 1 3.4	63.0	13 19 . . .	. . .	. . .	. . .
19	α Ursæ Minoris S. P.	6	22 3.85	+ 5.70	[+ 8.78]	307 38 1.85	45.758	- 1 9.9	[61.3]	1 22 . . .	. . .	. . .	. . .
20	η Bootis	11	49 40.35	- 0.48	+ 8.83	19 56 4.62	46.032	+ 19.7	63.2	13 49 . . .	. . .	. . .	. . .
21	α Bootis	11	10 51.22	- 0.48	+ 8.89	19 8 4.25	45.174	+ 18.8	61.9	14 10 . . .	. . .	. . .	. . .
22	ϵ Bootis	11	40 22.79	- 0.48	+ 8.81	11 20 4.15	47.320	+ 10.9	62.5	14 40 . . .	. . .	. . .	. . .
September 17, K.													
23	ϵ Ursæ Minoris S. P.	8	56 14.87	- 0.57	[+ 9.50]	301 6 . . .	. . .	. . .	. . .	16 56 . . .	. . .	. . .	. . .
24	η Orionis	11	58 35.51	- 0.47	+ 9.58	23 34 . . .	. . .	. . .	. . .	4 58 . . .	. . .	. . .	. . .
25	Moon II, N.	11	8 31.38	- 0.44	+ 9.50	12 9 58.30	42.940	+ 12.5	60.3	5 8 40.44	- 68.89	+ 26 41 51.2	. . .
26	β Tauri	11	19 41.70	- 0.42	+ 9.43	10 20 5.72	44.239	+ 10.6	59.9	5 19 . . .	. . .	. . .	. . .
27	δ Orionis	11	26 38.83	- 0.53	+ 9.50	39 12 4.68	47.400	+ 47.2	60.6	5 26 . . .	. . .	. . .	. . .
28	ϵ Orionis	11	30 53.35	- 0.53	+ 9.49	40 6 3.08	45.952	+ 48.7	60.4	5 31 . . .	. . .	. . .	. . .
September 17, La.													
29	α Hydræ	11	22 24.47	- 0.51	+ 9.48	47 4 4.28	42.152	+ 1 1.2	62.6	9 22 . . .	. . .	. . .	. . .
30	ϵ Leonis	11	39 53.62	- 0.39	+ 9.48	14 36 4.95	45.955	+ 14.9	60.8	9 40 . . .	. . .	. . .	. . .
31	α Leonis	11	2 46.33	- 0.43	+ 9.45	26 22 6.60	47.310	+ 28.2	62.6	10 2 . . .	. . .	. . .	. . .
32	γ Leonis	6	14 10.70	- 0.40	+ 9.57	18 30 5.08	43.134	+ 19.0	61.0	10 14 . . .	. . .	. . .	. . .
September 18, La.													
33	Sun I, S.	11	44 8.67	- 0.47	+ 9.53	37 32 6.30	43.258	+ 43.2	61.0	11 44 17.73	+ 64.05	+ 1 19 8.1	. . .
34	Sun II, N.	11	46 16.78	- 0.47	+ 9.53	37 0 5.80	43.495	+ 42.4	61.0	11 46 25.84	- 64.06	+ 1 51 3.0	. . .
35	α Canum Venat.	11	51 4.91	- 0.34	+ 9.63	359 58 3.50	48.138	- 0.0	59.7	12 51 . . .	. . .	. . .	. . .
36	α Virginis	11	19 38.93	- 0.52	+ 9.48	49 28 4.92	44.594	+ 1 5.2	60.7	13 19 . . .	. . .	. . .	. . .
37	α Ursæ Minoris S. P.	9	22 11.40	- 1.43	[+ 9.57]	307 38 1.88	45.880	- 1 11.9	[60.9]	1 22 . . .	. . .	. . .	. . .
38	η Bootis	11	49 39.55	- 0.41	+ 9.54	19 56 4.30	45.878	+ 20.2	60.1	13 49 . . .	. . .	. . .	. . .
39	α Bootis	11	10 50.44	- 0.40	+ 9.57	19 8 4.85	45.058	+ 19.3	60.4	14 10 . . .	. . .	. . .	. . .
40	ν Cygni	11	53 13.88	- 0.26	+ 9.59	358 3 57.25	47.498	- 1.8	59.6	20 53 . . .	. . .	. . .	. . .
41	α Cephei	. . .	. . .	. . .	. . .	336 42 5.55	45.945	- 24.3	59.6	21 16 . . .	. . .	. . .	. . .
42	β Cephei	11	27 13.93	+ 0.12	[+ 8.92]	328 44 6.00	47.871	- 34.3	60.7	21 27 . . .	. . .	. . .	. . .
43	μ Capricorni	11	47 36.34	- 0.59	+ 9.59	52 52 8.12	44.548	+ 1 15.0	59.5	21 47 . . .	. . .	. . .	. . .
44	B. D. + 51°, 3324	11	14 33.45	- 0.16	+ 9.61	346 44 6.15	40.736	- 13.3	59.9	22 14 42.90	- 3.77	+ 52 8 50.4	- 26.2
45	θ Cephei	11	14 19.20	+ 0.06	[+ 9.24]	331 18 3.28	46.718	- 31.0	59.8	23 14 . . .	. . .	. . .	. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.						No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°							' "	' "	"	' "
15 22 3	30.008	70.0	67.3	3.	Bisections at V, VI, VII.				11	+14 18.5	-14 48.5	. . .	- 0 30.0
23 6	30.000	68.5	66.2	4, 41, 42, 45.	Bisections at II, III, V, VI.				13	+ 2.8	- 7.7	+ 0.3	- 4.6
1 35	29.974	68.1	66.0	5, 8.	Bisections at II, VI, VII.				14	+ 2.8	+ 7.7	. . .	+ 10.5
3 3	29.958	67.6	65.4	6.	Bisections at C ₁ , C ₃ , C ₅ .				17	+ 5.2	+15 56.5	. . .	+16 1.7
3 36	29.952	67.1	65.2	7.	Bisections at B ₁ , B ₂ , B ₃ , C ₁ , C ₂ .				25	+11 18.6	-14 49.8	. . .	- 3 31.2
9 15	29.946	75.0	73.9	11, 25.	Bisections at II, III, IV, V, VI.				33	+ 5.3	+15 57.4	. . .	+16 2.7
9 55	29.938	77.4	76.1	13.	Bisections at II, VI.				34	+ 5.3	-15 57.5	. . .	-15 52.2
11 39	29.918	82.3	82.1	13, 14.	Z. D. thread A used.								
12 50	29.892	85.0	84.2	14.	Bisections at I, VII.								
14 0	29.870	86.8	86.0	17, 34.	Bisections at VI, VII.								
14 45	29.852	87.0	87.0	19, 37.	Bisections at C ₃ , C ₂ , C ₁ .								
5 10	29.840	56.0	52.4	33.	Bisections at I, II.								
5 32	29.842	55.8	52.2										
9 22	29.866	62.2	59.5										
10 14	29.865	65.0	61.9										
11 46	29.838	68.0	65.6										
12 51	29.806	70.2	67.4										
13 35	29.794	71.6	69.9										
14 11	29.782	71.4	70.5										
20 53	29.748	63.0	60.2										
21 48	29.750	61.4	59.2										
23 14	29.750	60.8	58.2										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Orionis	11	49 29.61	-0.43	+ 9.77	31 28 4.68	42.578	+ 35.0	59.0	5 49 . .			
2	Moon II, N.	11	3 43.94	-0.37	+ 9.76	12 28 3.80	45.415	+ 12.7	59.0	6 3 53.33	-69.12	+ 26 22 56.8	. .
3	δ Ursæ Minoris S. P.	5	5 5.19	-1.65	[+ 9.76]	305 30 8.82	43.640	- I 19.6	[59.0]	18 5 . .			
4	μ Geminorum	11	16 37.87	-0.37	+ 9.73	16 16 6.60	47.840	+ 16.7	59.0	6 16 . .			
5	γ Geminorum	11	31 39.57	-0.40	+ 9.78	22 22 6.82	43.545	+ 23.5	59.0	6 31 . .			
September 19, S.													
6	ι Aurigæ	11	50 11.97	-0.30	+ 9.66	5 50 5.38	47.682	+ 5.9	59.4	4 50 . .			
7	11 Orionis	11	58 35.22	-0.37	+ 9.84	23 34 5.65	48.055	+ 25.0	58.8	4 58 . .			
8	β Tauri	11	19 41.25	-0.32	+ 9.84	10 20 5.65	44.150	+ 10.5	58.1	5 19 . .			
9	μ Geminorum	6	16 37.72	-0.34	+ 9.89	16 16 5.62	47.930	+ 16.8	58.4	6 16 . .			
10	51 H. Cephei	4	52 28.78	+0.98	[+ 9.86]	311 40 . .			58.7	6 52 . .			
11	Moon S.					14 38 5.10	47.560	+ 15.0	58.7	6 57 . .		+ 24 12 11.8	. .
September 20, L.													
12	Sun I, N.	11	51 19.23	-0.36	+ 9.66	37 46 6.18	45.460	+ 43.9	58.1	11 51 28.53	+64.01	+ I 4 22.4	. .
13	Sun II, S.	9	53 27.24	-0.36	+ 9.66	38 18 6.25	45.075	+ 44.8	58.1	11 53 36.54	-64.00	+ 0 32 27.0	. .
14	α Canum Venat.	11	51 4.73	-0.22	+ 9.68	0 0 4.45	41.734	0.0	57.3	12 51 . .			
15	α Virginis	11	19 38.67	-0.42	+ 9.64	49 28 4.70	44.461	+ I 6.1	58.9	13 19 . .			
16	α Ursæ Minoris S. P.	8	22 14.04	-3.20	[+ 9.70]	307 38 4.45	45.818	- I 13.0	[60.3]	1 22 . .			
17	η Bootis	11	49 39.23	-0.30	+ 9.74	19 56 5.50	45.716	+ 20.6	58.4	13 49 . .			
18	α Bootis	11	10 50.21	-0.29	+ 9.67	19 8 6.02	44.851	+ 19.7	57.8	14 10 . .			
19	α² Geminorum	11	27 55.46	-0.28	+ 9.90	6 44 6.30	45.928	+ 7.0	57.8	7 28 . .			
20	α Canis Minoris	11	33 47.91	-0.44	+ 9.89	33 22 6.75	42.514	+ 38.8	57.8	7 33 . .			
21	β Geminorum	11	38 54.41	-0.30	+ 9.90	10 34 6.32	46.882	+ 11.0	56.8	7 39 . .			
22	Moon II, S.	11	53 8.11	-0.35	+ 9.90	17 34 6.68	46.431	+ 18.7	57.5	7 53 17.66	-68.02	+ 21 13 11.8	. .
23	ε Hydræ	6	41 12.24	-0.43	+ 9.92	32 2 . .				8 41 . .			
September 20, K.													
24	ε Leonis	11	39 53.06	-0.32	+ 10.03	14 36 5.05	45.831	+ 15.2	58.4	9 40 . .			
25	Venus I, N.	6	45 38.23	-0.38	+ 9.98	24 48 0.58	38.605	+ 27.0	58.6	9 45 47.83	+ 0.33	+ 14 I 40.6	. .
26	Venus II, S.	5	45 39.06	-0.38	+ 9.98	24 48 0.58	39.390	+ 27.0	58.6	9 45 48.66	-0.50	+ 14 I 25.6	. .
27	α Leonis	11	2 45.83	-0.38	+ 9.96	26 22 1.20	47.410	+ 28.9	59.5	10 2 . .			
28	γ¹ Leonis	7	14 10.32	-0.34	+ 9.94	18 29 59.88	43.225	+ 19.5	58.7	10 14 . .			
September 21, K.													
29	Sun II, N.	11	57 2.63	-0.46	+ 9.94	38 10 3.68	43.472	+ 45.4	58.6	11 57 12.11	-64.07	+ 0 41 0.2	. .
30	α Canum Venat.	10	51 4.50	-0.23	+ 9.92	359 58 0.58	48.170	0.0	58.0	12 51 . .			
September 21, S.													
31	η Cancrī	11	26 38.42	-0.39	+ 9.95	18 4 5.85	43.480	+ 18.9	57.2	8 26 . .			
32	ε Hydræ	6	41 12.30	-0.44	+ 9.90	32 2 5.98	47.635	+ 36.1	57.5	8 41 . .			
33	Moon II, S.	11	46 14.98	-0.41	+ 9.96	21 48 5.18	45.675	+ 23.1	57.6	8 46 24.53	-67.16	+ 17 2 38.6	. .
34	ε Leonis	11	39 53.22	-0.38	+ 9.95	14 36 5.78	45.662	+ 15.0	56.1	9 40 . .			
35	Venus I, S.	6	50 21.30	-0.41	+ 9.95	25 10 5.50	36.488	+ 26.9	57.6	9 50 30.84	+ 0.34	+ 13 40 15.5	. .
36	Venus II, N.	5	50 22.16	-0.41	+ 9.95	25 10 5.50	35.738	+ 26.9	57.6	9 50 31.70	-0.52	+ 13 40 29.8	. .
37	α Leonis	11	2 45.85	-0.42	+ 10.00	26 22 5.62	47.154	+ 28.4	58.3	10 2 . .			
38	γ¹ Leonis	11	14 10.35	-0.39	+ 9.98	18 30 4.70	42.970	+ 19.1	57.1	10 14 . .			
September 22, S.													
39	Sun I, S.	11	58 30.27	-0.46	+ 9.92	39 4 4.22	47.585	+ 45.9	57.6	11 58 39.73	+64.03	+ 0 14 18.9	. .
40	Sun II, N.	11	0 38.34	-0.46	+ 9.92	38 31 53.65	48.222	+ 45.1	57.6	12 0 47.80	-64.04	+ 0 17 38.5	. .
41	α Virginis	11	19 38.55	-0.51	+ 9.84	49 28 5.90	44.350	+ I 5.9	58.5	13 19 . .			
42	α Ursæ Minoris S. P.	9	22 14.04	-2.62	[+ 9.86]	307 38 4.00	45.840	- I 12.7	[58.1]	1 22 . .			
43	η Bootis	11	49 39.12	-0.39	+ 9.93	19 56 4.75	45.762	+ 20.5	58.1	13 49 . .			
44	α Bootis	11	10 50.04	-0.39	+ 9.92	19 8 5.18	44.931	+ 19.6	58.1	14 10 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°					' "	' "	"	' "
18 5 49	29.725	58.0	55.8	2, 22, 33.	Bisections at II, III, IV, V, VI.		2	+11 40.1	-14 54.9	.	- 3 14.8
19 6 32	29.730	58.6	56.3	3.	Bisections at B, B., B.		11	+13 48.6	+15 2.9	.	+28 51.5
19 4 57	29.729	59.1	56.0	9, 12, 39.	Bisections at I, II.		12	+ 5.4	-15 57.7	.	-15 52.3
5 57	29.742	58.0	55.2	11.	Bisections at III, IV, V.		13	+ 5.4	+15 57.7	.	+16 3.1
7 5	29.782	59.3	56.6	13, 19, 29, 30, 31, 32, 40.	Bisections at VI, VII.		22	+16 45.6	+15 13.6	.	+31 59.2
11 53	29.844	63.7	62.2	16.	Bisections at C, C, C.		25	+ 2.9	- 7.6	+ 0.2	- 4.5
13 31	29.868	65.5	63.2	22, 25, 26, 35, 36.	Z. D. thread A used.		26	+ 2.9	+ 7.6	.	+ 10.5
14 11	29.864	65.8	63.4	25, 36	Bisections at I, VII.		29	+ 5.4	-15 58.0	.	-15 52.6
7 25	30.070	48.2	46.2	26, 35.	Bisections at II, VI.		33	+20 52.2	+15 26.2	.	+36 18.4
7 57	30.076	50.1	48.0	28.	Bisection at VI.		35	+ 3.0	+ 7.3	.	+ 10.3
9 40	30.100	54.2	52.3	34, 41.	Bisections at II, VI, VII.		36	+ 3.0	- 7.3	+ 0.3	- 4.0
10 14	30.098	55.0	53.3	42.	Bisections at D, D, D.		39	+ 5.5	+15 58.7	.	+16 4.2
12 57		57.8	56.4				40	+ 5.5	-15 58.7	.	-15 53.2
12 51	30.048	59.8	58.3								
8 32	29.966	57.5	55.2								
9 44	29.972	61.8	59.3								
10 17	29.958	63.3	60.7								
12 1	29.930	65.6	64.3								
13 34	29.917	67.8	66.0								
14 19	29.900	67.9	66.2								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrum- ent.	Clock.								
September 23, K.													
1	α Hydræ	11	22 24.53	— 0.50	+ 9.53	47 4 3.55	41.954	+ 1.0	58.0	9 22 . .	.	.	.
2	ε Leonis	9	39 53.70	— 0.39	+ 9.53	14 36 4.05	45.760	+ 14.8	56.6	9 40 . .	.	.	.
3	μ Leonis	11	46 47.75	— 0.38	+ 9.49	12 22 0.75	44.281	+ 12.5	57.3	9 46 . .	.	.	.
4	Venus I, S.	5	59 46.30	— 0.42	+ 9.51	25 52 1.00	41.435	+ 27.5	57.6	9 59 55.39	+ 0.36	+ 12 56 44.4	.
5	Venus II, N.	6	59 47.18	— 0.42	+ 9.51	25 52 1.00	40.680	+ 27.5	57.6	9 59 56.27	— 0.52	+ 12 56 59.0	.
6	α Leonis	11	2 46.35	— 0.43	+ 9.54	26 22 3.68	47.268	+ 28.1	58.1	10 2 . .	.	.	.
7	Moon II.	11	29 47.09	— 0.45	+ 9.49	32 44 . .	.	.	.	10 29 56.13	— 66.32	.	.
September 24, K.													
8	Sun I, S.	11	5 42.35	— 0.47	+ 9.44	39 52 5.70	43.792	+ 46.9	57.6	12 5 51.32	+ 64.11	— 1 1 8.6	.
9	Sun II, N.	11	7 50.58	— 0.47	+ 9.43	39 21 57.80	37.922	+ 46.0	57.6	12 7 59.54	— 64.11	— 0 29 9.1	.
10	α Canum Venat.	11	51 5.15	— 0.35	+ 9.39	359 58 3.98	48.048	0.0	56.9	12 51 . .	.	.	.
11	α Virginis	11	19 38.99	— 0.51	+ 9.40	49 28 12.60	44.036	+ 1 5.4	58.1	13 19 . .	.	.	.
12	α Ursæ Minoris s. p.	6	22 14.38	— 1.80	[+ 9.36]	307 38 3.68	45.853	— 1 12.2	[57.7]	1 22 . .	.	.	.
13	α Bootis	11	10 50.58	— 0.40	+ 9.37	19 8 5.25	44.946	+ 19.4	58.1	14 10 . .	.	.	.
September 24, La.													
14	α Hydræ	11	22 24.83	— 0.64	+ 9.39	47 4 5.52	41.792	+ 1.2	57.6	9 22 . .	.	.	.
15	ε Leonis	11	39 53.95	— 0.52	+ 9.43	14 36 5.62	45.715	+ 14.9	57.3	9 40 . .	.	.	.
16	μ Leonis	11	46 47.98	— 0.52	+ 9.42	12 22 5.85	44.115	+ 12.5	59.0	9 46 . .	.	.	.
17	α Leonis	11	2 46.67	— 0.56	+ 9.37	26 22 5.58	47.245	+ 28.1	58.0	10 2 . .	.	.	.
18	Venus I, S.	5	4 27.84	— 0.56	+ 9.40	26 16 4.48	46.315	+ 28.0	58.3	10 4 36.68	+ 0.40	+ 12 34 22.7	.
19	Venus II, N.	5	4 28.82	— 0.56	+ 9.40	26 16 4.48	45.498	+ 28.0	58.3	10 4 37.66	— 0.58	+ 12 34 38.5	.
September 25, La.													
20	Sun I, N.	11	9 18.72	— 0.60	+ 9.39	39 42 10.78	48.098	+ 46.5	58.3	12 9 27.51	+ 64.05	— 0 52 35.2	.
21	Sun II, S.	11	11 26.81	— 0.60	+ 9.39	40 14 6.95	47.908	+ 47.4	58.3	12 11 35.60	— 64.04	— 1 24 30.4	.
22	α Canum Venat.	11	51 5.29	— 0.49	+ 9.39	359 58 5.75	48.028	0.0	58.0	12 51 . .	.	.	.
23	α Virginis	11	19 39.11	— 0.65	+ 9.42	49 28 3.85	44.540	+ 1 5.1	58.7	13 19 . .	.	.	.
24	α Ursæ Minoris s. p.	9	22 17.56	+ 0.36	[+ 4.37]	307 38 3.80	45.708	— 1 11.8	[57.1]	1 22 . .	.	.	.
25	η Bootis	11	49 39.70	— 0.54	+ 9.48	19 56 3.80	45.889	+ 20.2	58.9	13 49 . .	.	.	.
26	α Bootis	11	10 50.82	— 0.54	+ 9.26	19 8 5.12	44.998	+ 19.3	58.7	14 10 . .	.	.	.
September 26, L.													
27	α Hydræ	11	22 25.18	— 0.55	+ 9.00	47 4 6.28	41.881	+ 1.3	59.5	9 22 . .	.	.	.
28	ε Leonis	11	39 54.36	— 0.45	+ 9.00	14 36 5.15	45.911	+ 14.9	58.8	9 40 . .	.	.	.
29	μ Leonis	11	46 48.37	— 0.44	+ 9.00	12 22 5.05	44.156	+ 12.5	58.7	9 46 . .	.	.	.
30	α Leonis	11	2 47.05	— 0.48	+ 8.95	26 22 5.40	47.276	+ 28.3	59.8	10 2 . .	.	.	.
31	Venus I, S.	6	13 49.27	— 0.48	+ 8.99	27 2 5.60	45.595	+ 29.1	59.2	10 13 57.78	+ 0.43	+ 11 48 35.3	.
32	Venus II, N.	5	13 50.32	— 0.48	+ 8.99	27 2 5.60	44.888	+ 29.1	59.2	10 13 58.83	— 0.62	+ 11 48 48.9	.
33	Mercury II, C.	11	39 26.05	— 0.52	+ 9.00	37 52 6.18	44.800	+ 44.1	59.2	11 39 34.53	— 0.32	+ 0 58 35.1	.
September 27, L.													
34	Sun I, S.	11	16 31.60	— 0.53	+ 9.00	41 2 1.50	44.765	+ 49.2	59.2	12 16 40.07	+ 64.25	— 2 11 23.8	.
35	Sun II, N.	11	18 40.09	— 0.53	+ 9.00	40 30 7.65	44.390	+ 48.3	59.2	12 18 48.56	— 64.24	— 1 39 23.6	.
36	α Canum Venat.	11	51 5.56	— 0.41	+ 9.04	0 0 1.98	42.088	0.0	59.9	12 51 . .	.	.	.
37	α Virginis	11	19 39.52	— 0.57	+ 8.93	49 28 5.95	44.410	+ 1 5.9	59.2	13 19 . .	.	.	.
38	α Ursæ Minoris s. p.	9	22 14.59	— 0.49	[+ 8.98]	307 38 5.70	45.857	— 1 12.8	[60.3]	1 22 . .	.	.	.
39	η Bootis	11	49 40.03	— 0.46	+ 9.06	19 56 5.90	45.778	+ 20.5	58.9	13 49 . .	.	.	.
40	α Bootis	11	10 51.00	— 0.46	+ 8.99	19 8 6.58	44.926	+ 19.6	58.7	14 10 . .	.	.	.
September 27, B.													
41	ε Leonis	11	39 54.00	— 0.41	+ 9.34	14 36 7.10	45.816	+ 15.2	59.1	9 40 . .	.	.	.
42	μ Leonis	11	46 48.06	— 0.40	+ 9.29	12 22 7.38	44.070	+ 12.8	59.5	9 46 . .	.	.	.
43	α Leonis	11	2 46.61	— 0.45	+ 9.38	26 22 7.62	47.178	+ 28.9	60.7	10 2 . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						/ "	/ "	"	/ "	"
23 9 19	29.810	61.0	60.4	2, 9, 15, 21, 35.	Bisections at VI, VII.			4	+ 0 3.0	+ 7.4	.	+ 10.4	.
10 17	29.834	64.2	63.4	4, 5.	Z. D. thread A used.			5	+ 3.0	— 7.4	+ 0.2	— 4.2	.
24 12 8	29.853	67.2	67.1	4, 18, 31.	Bisections at I, VII.			8	+ 5.6	+ 15 59.8	.	+ 16 5.4	.
12 51	29.850	68.0	67.7	5, 19, 32.	Bisections at II, VI.			9	+ 5.6	— 15 59.7	.	— 15 54.1	.
14 11	29.858	70.2	69.8	8, 17, 20, 34.	Bisections at I, II.			18	+ 3.0	+ 8.1	.	+ 11.1	.
9 22	29.998	63.2	62.0	12.	Bisections at D ₃ , D ₂ , D ₁ .			19	+ 3.0	— 8.1	+ 0.4	— 4.7	.
10 16	30.006	67.8	66.0	14.	Bisections at II, VI, VII.			20	+ 5.6	— 15 57.6	.	— 15 52.0	.
25 12 11	30.000	72.0	71.1	24.	Bisections at C ₃ , C ₂ , C ₁ .			21	+ 5.7	+ 15 57.5	.	+ 16 3.2	.
13 34	29.970	74.4	73.4	38.	Bisections at C ₄ , C ₃ , C ₂ .			31	+ 3.1	+ 6.9	.	+ 10.0	.
14 15	29.964	75.2	74.2					32	+ 3.1	— 6.9	+ 0.2	— 3.6	.
26 9 23	29.970	63.5	60.4					33	+ 7.6	.	+ 0.6	+ 8.2	.
9 41	29.970	63.9	61.0					34	+ 5.8	+ 16 0.0	.	+ 16 5.8	.
10 3	29.976	64.2	61.5					35	+ 5.7	— 16 0.1	.	— 15 54.4	.
27 11 41	29.990	65.6	64.0										
12 19	29.992	66.3	65.2										
13 35	29.988	68.2	67.0										
14 12	29.988	69.4	67.8										
9 25	30.192	55.6	53.4										
10 5	30.190	57.2	55.2										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			s	s	Instru- ment.	Clock.								
1	γ^1 Leonis	11	m	s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	Venus I, S.	6	18	28.58	- 0.46	+ 9.35	27 26 11.40	33.342	+ 30.2	59.7	10 18 37.47	+ 0.44	+ 11 25 8.6	.
3	Venus II, N.	5	18	29.64	- 0.46	+ 9.35	27 26 11.40	32.470	+ 30.2	59.7	10 18 38.53	- 0.62	+ 11 25 25.5	.
4	Mercury C, C.	9	37	52.66	- 0.50	+ 9.34	37 20 8.38	45.161	+ 44.0	59.7	11 38 1.50	- 0.18	+ 1 30 26.5	.
September 28, B.														
5	Sun I, S.	11	20	7.85	- 0.52	+ 9.33	41 24 8.50	48.772	+ 50.7	59.7	12 20 16.66	+ 64.32	- 2 34 48.6	.
6	Sun II, N.	11	22	16.50	- 0.52	+ 9.33	40 52 10.05	48.480	+ 49.8	59.7	12 22 25.31	- 64.33	- 2 2 45.5	.
7	α Canum Venat.	11	51	5.20	- 0.35	+ 9.34	359 58 9.62	47.909	0.0	58.8	12 51 . . .	.	.	.
8	α Virginis	11	19	39.13	- 0.56	+ 9.31	49 28 11.78	44.106	+ 6.8	60.1	13 19 . . .	.	.	.
9	α Ursæ Minoris S. P.	6	22	17.90	- 3.68	[+ 9.31]	307 38 9.20	45.637	- 13.7	[58.1]	1 22 . . .	.	.	.
10	η Bootis	11	49	39.75	- 0.43	+ 9.31	19 56 10.25	45.594	+ 20.8	59.8	13 49 . . .	.	.	.
September 28, S.														
11	ϵ Hydræ	11	41	13.19	- 0.35	+ 9.09	32 2 6.65	47.630	+ 36.5	58.0	8 41 . . .	.	.	.
12	α Hydræ	11	22	24.89	- 0.40	+ 9.18	47 4 5.95	41.726	+ 2.1	57.0	9 22 . . .	.	.	.
13	ϵ Leonis	11	39	54.01	- 0.30	+ 9.24	14 36 5.52	45.792	+ 15.1	57.3	9 40 . . .	.	.	.
14	α Leonis	11	2	46.74	- 0.33	+ 9.15	26 22 5.78	47.201	+ 28.5	58.8	10 2 . . .	.	.	.
15	γ^1 Leonis	11	14	11.16	- 0.31	+ 9.22	18 30 4.15	43.138	+ 19.2	57.3	10 14 . . .	.	.	.
16	Venus I, S.	5	23	8.02	- 0.33	+ 9.16	27 48 4.08	39.092	+ 30.3	58.0	10 23 16.85	+ 0.31	+ 11 1 24.0	.
17	Venus II, N.	6	23	8.77	- 0.33	+ 9.16	27 48 4.08	38.335	+ 30.3	58.0	10 23 17.60	- 0.44	+ 11 1 38.4	.
18	Mercury C, C.	11	36	53.69	- 0.36	+ 9.12	36 52 5.70	46.161	+ 42.7	58.0	11 37 2.45	- 0.17	+ 1 58 9.6	.
September 29, S.														
19	Sun I, S.	11	23	44.97	- 0.38	+ 9.10	41 48 7.15	46.662	+ 50.7	58.0	12 23 53.69	+ 64.31	- 2 58 8.5	.
20	Sun II, N.	11	25	53.58	- 0.38	+ 9.10	41 16 7.98	46.452	+ 49.8	58.0	12 26 2.30	- 64.30	- 2 26 6.2	.
21	α Virginis	9	19	39.30	- 0.41	+ 8.99	49 28 4.80	44.342	+ 6.0	58.3	13 19 . . .	.	.	.
22	α Ursæ Minoris S. P.	9	22	16.70	- 1.77	[+ 9.07]	307 38 2.95	46.080	- 12.9	[59.0]	1 22 . . .	.	.	.
23	α Bootis	11	10	50.70	- 0.31	+ 9.13	19 8 4.55	45.045	+ 19.6	57.5	14 10 . . .	.	.	.
24	ϵ Bootis	11	40	22.13	- 0.29	+ 9.13	11 20 5.38	47.091	+ 11.3	57.8	14 40 . . .	.	.	.
25	α^2 Libræ	11	45	4.51	- 0.43	+ 8.91	54 26 4.85	48.186	+ 18.6	58.8	14 45 . . .	.	.	.
26	Moon I	11	9	2.48	- 0.48	+ 9.03	61 54 . . .	.	.	.	15 9 11.03	+ 74.44	.	.
27	β Libræ	6	11	21.42	- 0.40	+ 9.09	47 50 9.02	46.592	+ 2.1	58.8	15 11 . . .	.	.	.
September 29, L.														
28	ϵ Leonis	11	39	54.34	- 0.30	+ 8.94	14 36 9.05	45.656	+ 15.0	57.5	9 40 . . .	.	.	.
29	μ Leonis	11	46	48.45	- 0.30	+ 8.85	12 22 6.20	44.092	+ 12.6	58.2	9 46 . . .	.	.	.
30	α Leonis	11	2	47.05	- 0.31	+ 8.84	26 22 5.95	47.209	+ 28.4	58.9	10 2 . . .	.	.	.
31	γ^1 Leonis	10	14	11.48	- 0.30	+ 8.91	18 30 5.12	43.080	+ 19.1	58.3	10 14 . . .	.	.	.
32	Venus I, S.	5	27	46.82	- 0.31	+ 8.88	28 14 6.25	43.192	+ 30.6	58.5	10 27 55.37	+ 0.41	+ 10 37 18.5	.
33	Venus II, N.	6	27	47.78	- 0.31	+ 8.88	28 14 6.25	42.470	+ 30.6	58.5	10 27 56.35	- 0.57	+ 10 37 32.4	.
34	Mercury II, C.	11	36	30.67	- 0.32	+ 8.85	36 30 7.50	42.960	+ 41.7	58.5	11 36 39.20	- 0.29	+ 2 21 10.7	.
September 30, L.														
35	Sun I, N.	11	27	22.37	- 0.34	+ 8.84	41 40 15.02	44.248	+ 49.9	58.5	12 27 30.87	+ 64.37	- 2 49 28.7	.
36	Sun II, S.	11	29	31.12	- 0.34	+ 8.84	42 12 4.68	44.720	+ 50.8	58.5	12 29 39.62	- 64.38	- 3 21 30.2	.
37	α Canum Venat.	11	51	5.60	- 0.29	+ 8.88	0 0 4.32	41.946	0.0	58.7	12 51 . . .	.	.	.
38	α Virginis	11	19	39.54	- 0.35	+ 8.69	49 28 5.80	44.422	+ 5.1	58.5	13 19 . . .	.	.	.
39	α Ursæ Minoris S. P.	6	22	13.40	+ 2.26	[+ 8.81]	307 38 2.30	46.088	- 11.8	[61.4]	1 22 . . .	.	.	.
40	η Bootis	11	49	40.01	- 0.30	+ 8.91	19 56 5.78	45.849	+ 20.2	59.3	13 49 . . .	.	.	.
41	α Bootis	11	10	51.02	- 0.30	+ 8.79	19 8 5.88	45.011	+ 19.3	58.9	14 10 . . .	.	.	.
42	γ Pegasi	11	7	51.79	- 0.55	+ 8.99	24 14 9.92	43.830	+ 25.6	59.4	0 8 . . .	.	.	.
43	η Ceti	11	24	43.09	- 0.63	+ 8.92	43 22 8.62	43.216	+ 53.7	59.6	0 24 . . .	.	.	.
44	ϵ Piscium	11	57	31.81	- 0.58	+ 9.00	31 30 8.95	44.998	+ 34.9	58.8	0 57 . . .	.	.	.
45	Parthenope	11	8	17.38	- 0.61	+ 8.95	39 36 9.50	57.415	+ 47.4	59.4	1 8 25.72	.	- 0 52 49.8	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
27 11 45	30.186	61.0	59.2	2, 3, 16, 17, 45.	Z. D. thread A used.	2	+ 3.1	+ 8.6	.	+ 11.7
28 12 22	30.164	62.2	60.5	2, 17, 32.	Bisections at I, VII.	3	+ 3.1	+ 8.6	+ 0.3	+ 8.2
12 55	30.152	63.0	62.0	3, 16, 33.	Bisections at II, VI.	4	+ 7.4	.	+ 1.0	+ 8.4
13 50	30.140	66.0	63.2	5, 15, 19, 35.	Bisections at I, II.	5	+ 5.8	+ 16 1.6	.	+ 16 7.4
8 46	30.150	57.2	54.1	6, 11, 20, 21, 27, 36, 45.	Bisections at VI, VII.	6	+ 5.8	- 16 1.5	.	- 15 55.7
9 44	30.172	61.9	59.6		Bisections at C ₃ , C ₂ , C ₁ .	16	+ 3.2	+ 7.4	.	+ 10.5
11 43	30.170	66.6	65.5		Bisections at II, VI, VII.	17	+ 3.2	- 7.4	+ 0.4	+ 3.8
12 26	30.160	68.0	67.0		Bisections at D ₃ , D ₂ , D ₁ .	18	+ 7.1	.	+ 1.0	+ 7.0
13 38	30.146	71.0	69.1		Bisection at II.	19	+ 5.9	+ 16 1.1	.	+ 15 55.3
14 54	30.132	72.1	71.1		Bisections at C ₄ , C ₃ , C ₂ .	20	+ 5.8	- 16 1.1	.	+ 15 54.9
15 18	30.125	72.0	71.1			32	+ 3.2	+ 7.1	.	+ 3.6
9 37	30.152	62.8	60.5			33	+ 3.2	- 7.1	+ 0.3	+ 7.9
10 5	30.152	64.8	62.6			34	+ 6.9	.	+ 1.0	+ 6.6
10 30	30.152	66.3	65.1			35	+ 5.8	- 16 0.7	.	+ 15 54.9
11 40	30.154	70.6	70.1			36	+ 5.9	+ 16 0.7	.	+ 16 6.6
12 30	30.146	73.6	72.9			45	+ 4.3	.	.	+ 4.3
13 30	30.132	75.9	76.0					.	.	.
14 10	30.130	77.2	77.3					.	.	.
0 6	30.060	65.0	64.1					.	.	.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	θ^1 Ceti	11	18 48.63	- 0.64	+ 8.88	47 32 9.92	46.759	+ 1 2.3	59.6	1 18 . .	. .		. .
2	α Ursæ Minoris . .	7	22 15.49	+ 0.24	[+ 8.97]	310 6 6.98	46.770	- 1 7.4	[58.1]	1 22 . .	. .		. .
September 30, K.													
3	ε Leonis	10	39 54.31	- 0.39	+ 9.08	14 36 2.10	46.148	+ 14.7	59.4	9 40 . .	. .		. .
4	μ Leonis	10	46 48.30	- 0.38	+ 9.10	12 22 3.50	44.326	+ 12.4	59.6	9 46 . .	. .		. .
5	α Leonis	11	2 46.97	- 0.40	+ 9.03	26 22 7.10	47.225	+ 27.8	59.6	10 2 . .	. .		. .
6	γ^1 Leonis	11	14 11.47	- 0.39	+ 9.03	18 30 2.48	43.351	+ 18.7	60.4	10 14 . .	. .		. .
7	Venus I, N.	6	32 25.07	- 0.40	+ 9.05	28 36 4.55	39.985	+ 30.5	59.7	10 32 33.72	+ 0.31	+ 10 13 7.8	. .
8	Venus II, S.	5	32 25.80	- 0.40	+ 9.05	28 36 4.55	40.710	+ 30.5	59.7	10 32 34.45	- 0.42	+ 10 12 54.0	. .
October 1, K.													
9	Sun I, N.	11	30 59.71	- 0.42	+ 9.01	42 4 6.82	42.562	+ 49.6	59.7	12 31 8.30	+ 64.35	- 3 12 46.7	. .
10	Sun II, S.	11	33 8.41	- 0.42	+ 9.01	42 36 5.78	42.648	+ 50.5	59.7	12 33 17.00	- 64.35	- 3 44 50.0	. .
11	α Canum Venat. . .	11	51 5.55	- 0.38	+ 9.02	359 58 8.20	48.051	+ 0.0	59.3	12 51 . .	. .		. .
12	α Virginis	11	19 39.40	- 0.44	+ 8.93	49 28 8.82	44.400	+ 1 3.9	59.9	13 19 . .	. .		. .
13	α Ursæ Minoris S. P.	6	22 13.92	+ 2.02	[+ 8.97]	307 38 5.22	45.955	- 1 10.5	[60.4]	1 22 . .	. .		. .
14	η Bootis	11	49 40.00	- 0.39	+ 9.01	19 56 7.00	45.952	+ 19.8	[62.0]	13 49 . .	. .		. .
15	α Bootis	11	10 50.90	- 0.39	+ 8.99	19 8 3.92	45.282	+ 19.0	[61.7]	14 10 . .	. .		. .
16	α Scorpii	11	22 59.96	- 0.48	+ 8.90	65 2 5.25	44.330	+ 1 56.6	61.5	16 23 . .	. .		. .
17	ζ Ophiuchi	11	31 23.36	- 0.44	+ 8.97	49 12 5.70	44.645	+ 1 3.2	61.9	16 31 . .	. .		. .
18	κ Ophiuchi	11	52 41.38	- 0.40	+ 8.95	29 18 3.08	47.235	+ 30.7	60.6	16 52 . .	. .		. .
19	δ Ophiuchi	6	19 59.68	- 0.47	+ 8.80	62 54 4.38	46.498	+ 1 46.8	60.3	17 20 . .	. .		. .
20	α Ophiuchi	10	30 3.07	- 0.40	+ 9.01	26 12 3.95	47.092	+ 27.1	59.9	17 30 . .	. .		. .
21	η Cephei	11	40 19.20	- 0.70	[+ 9.05]	328 2 3.25	42.404	- 34.5	59.9	21 40 . .	. .		. .
22	μ Capricorni	11	47 36.85	- 0.66	+ 9.06	52 52 4.65	44.892	+ 1 13.4	60.5	21 47 . .	. .		. .
23	γ^1 Draconis	11	51 29.36	- 0.74	[+ 9.11]	325 38 3.12	46.751	- 37.9	60.1	21 51 . .	. .		. .
24	α Aquarii	11	0 25.27	- 0.63	+ 9.15	39 40 1.98	43.161	+ 46.2	61.0	22 0 . .	. .		. .
25	B. D. + 51°, 3324 .	11	14 34.13	- 0.60	+ 9.09	346 44 1.40	40.836	- 13.1	60.0	22 14 42.62	- 3.60	+ 52 8 53.6	- 29.8
26	π Aquarii	11	19 56.76	- 0.62	+ 9.04	37 58 3.12	47.710	+ 43.6	59.3	22 20 . .	. .		. .
October 2, Ia.													
27	ε Piscium	11	57 31.33	- 0.48	+ 9.39	31 30 4.82	45.060	+ 36.1	57.1	0 57 . .	. .		. .
28	Parthenope	11	6 33.55	- 0.53	+ 9.33	39 56 5.92	46.558	+ 49.3	56.8	1 6 42.35	. .	- 1 6 6.0	. .
29	α Ursæ Minoris . .	7	22 9.53	+ 6.63	[+ 9.32]	310 6 1.88	47.080	- 1 9.5	[59.1]	1 22 . .	. .		. .
30	α Piscium	11	39 52.86	- 0.47	+ 9.28	30 12 5.95	44.424	+ 34.3	56.9	1 40 . .	. .		. .
31	β Arietis	11	48 52.63	- 0.41	+ 9.27	18 32 7.18	45.548	+ 19.8	56.7	1 49 . .	. .		. .
32	α Arietis	11	1 17.60	- 0.40	+ 9.36	15 52 7.20	44.889	+ 16.8	56.6	2 1 . .	. .		. .
October 3, B.													
33	σ Sagittarii	11	48 47.92	- 0.56	+ 9.23	65 14 5.18	46.974	+ 2 6.1	56.2	18 48 . .	. .		. .
34	δ Sagittarii	11	11 31.69	- 0.50	+ 9.14	57 58 3.35	44.492	+ 1 33.2	57.0	19 11 . .	. .		. .
35	λ Ursæ Minoris . .	5	24 33.06	+ 4.90	[+ 8.46]	309 54 11.78	42.017	- 1 9.6	[58.2]	19 24 . .	. .		. .
36	Moon I, S.	11	29 12.46	- 0.55	+ 9.21	62 56 11.02	43.493	+ 1 54.1	57.2	19 29 21.12	+ 72.13	- 24 6 16.6	. .
37	α Aquilæ	11	45 39.82	- 0.36	+ 9.32	30 14 8.08	46.828	+ 34.2	57.0	19 45 . .	. .		. .
38	β Aquilæ	11	50 9.71	- 0.38	+ 9.26	32 42 6.80	43.032	+ 37.6	57.0	19 50 . .	. .		. .
39	α^2 Capricorni	11	12 15.65	- 0.47	+ 9.18	51 42 5.42	43.943	+ 1 14.2	57.7	20 12 . .	. .		. .
40	π Capricorni	11	21 21.04	- 0.50	+ 9.17	57 22 6.58	46.566	+ 1 31.6	58.2	20 21 . .	. .		. .
41	η Ceti	11	24 42.45	- 0.43	+ 9.37	43 22 6.00	43.158	+ 55.8	57.9	0 24 . .	. .		. .
42	β Ceti	11	38 20.90	- 0.50	+ 9.33	57 22 8.32	45.968	+ 1 32.1	58.3	0 38 . .	. .		. .
43	ε Piscium	11	57 31.27	- 0.37	+ 9.35	31 30 9.12	44.896	+ 36.2	58.5	0 57 . .	. .		. .
44	Parthenope	11	5 41.14	- 0.41	+ 9.39	40 4 9.40	41.814	+ 49.7	58.3	1 5 50.12	. .	- 1 12 37.4	. .
45	θ^1 Ceti	11	18 48.04	- 0.45	+ 9.49	47 32 5.48	46.825	+ 1 4.6	58.6	1 18 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°						' "	' "	"	' "	
30 1 30	30.050	63.0	61.9	2.	Bisections at C ₂ , C ₃ , C ₄ .				7	+ 3.2	- 7.1	+ 0.4	- 3.5
9 40	30.034	69.0	69.7	7.	Z. D. thread A used.				8	+ 3.2	+ 7.1	.	+ 10.3
10 14	30.032	71.0	71.9	7, 8.	Bisections at I, VII.				9	+ 5.9	- 16 1.6	.	- 15 55.7
12 33	30.022	78.8	80.9	8.	Bisections at II, VI.				10	+ 6.0	+ 16 1.6	.	+ 16 7.6
13 33	30.010	82.0	83.9	9, 31.	Bisections at I, II.				28	+ 4.4	.	.	+ 4.4
14 8	30.000	83.5	84.1	10, 19, 20, 26.	Bisections at VI, VII.				36	+ 51 52.1	+ 15 56.1	.	+ 67 48.2
16 20	29.974	83.0	84.0	13.	Bisections at D ₃ , D ₄ .				44	+ 4.4	.	.	+ 4.4
16 53	29.968	82.0	83.0	21, 23, 25.	Bisections at II, III, V, VI.								
17 30	29.958	80.2	80.3	29.	Bisections at C ₁ , C ₂ , C ₄ , C ₅ .								
21 40	29.950	73.8	74.2	35.	Bisections at C ₁ , C ₂ , C ₃ .								
22 20	29.952	71.7	71.1	36.	Bisections at II, III, IV, V, VI.								
2 0 58	30.288	54.0	51.0	39.	Bisections at II, VI, VII.								
2 1	30.292	52.4	50.0										
3 18 50	30.322	57.0	55.2										
19 50	30.318	55.2	53.2										
0 10	30.292	50.8	49.0										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m s	s	Instru- ment.	Clock.								
1	α Ursæ Minoris October 3, K.	5	22	11.82	+ 3.97	[+ 9.98]	310 6 7.65	46.567	- I 9.7	[57.1]	I 22 . .	. .		. .
2	α Leonis	11	2	46.81	- 0.38	+ 9.24	26 22 4.55	47.201	+ 29.0	57.5	10 2 . .	. .		. .
3	γ^1 Leonis	11	14	11.30	- 0.35	+ 9.23	18 30 3.68	43.108	+ 19.5	57.1	10 14 . .	. .		. .
4	ρ Leonis	8	27	16.82	- 0.40	+ 9.18	29 0 5.15	47.192	+ 32.3	57.8	10 27 . .	. .		. .
5	Venus I, S.	5	46	16.28	- 0.40	+ 9.23	29 52 6.25	37.362	+ 33.4	57.5	10 46 25.11	+ 0.40	+ 8 57 51.3	. .
6	Venus II, N.	6	46	17.22	- 0.40	+ 9.23	29 52 6.25	36.635	+ 33.4	57.5	10 46 26.05	- 0.54	+ 8 58 5.3	. .
7	δ Leonis	11	8	31.17	- 0.35	+ 9.30	17 46 5.12	44.545	+ 18.6	56.7	11 8 . .	. .		. .
8	Mercury II, C. October 4, K.	11	40	58.67	- 0.43	+ 9.21	35 48 8.05	46.430	+ 41.7	57.5	11 41 7.45	- 0.26	+ 3 2 2.6	. .
9	Sun I, S.	11	41	53.40	- 0.47	+ 9.20	43 44 6.30	47.518	+ 55.0	57.5	12 42 2.13	+ 64.59	- 4 54 28.8	. .
10	Sun II, N.	10	44	2.59	- 0.47	+ 9.19	43 12 6.75	47.130	+ 53.9	57.5	12 44 11.31	- 64.59	- 4 22 22.6	. .
11	α Canum Venat.	10	51	5.20	- 0.26	+ 9.27	359 58 3.12	48.221	0.0	56.7	12 51 . .	. .		. .
12	α Ursæ Minoris S. P.	6	22	22.80	- 6.13	[+ 9.21]	307 38 2.35	46.232	- I 13.8	[58.1]	I 22 . .	. .		. .
13	η Bootis	11	49	39.82	- 0.36	+ 9.15	19 56 3.92	45.882	+ 20.7	58.0	13 49 . .	. .		. .
14	α Bootis	11	10	50.69	- 0.35	+ 9.16	19 8 4.38	45.036	+ 19.8	57.8	14 10 . .	. .		. .
15	ϵ Bootis	11	40	22.12	- 0.31	+ 9.11	11 20 6.55	47.086	+ 11.5	58.2	14 40 . .	. .		. .
16	π Capricorni	11	21	21.13	- 0.57	+ 9.13	57 22 2.55	46.850	+ I 30.1	58.0	20 21 . .	. .		. .
17	Moon S.						58 52 2.68	39.197	+ I 35.5	57.8	20 28 . .	. .	- 20 3 41.9	. .
18	μ Aquarii	11	47	1.34	- 0.52	+ 9.11	48 12 3.50	45.432	+ I 4.5	57.6	20 47 . .	. .		. .
19	12 Year Cat. 1879 October 4, L.	11	52	5.90	+ 0.33	[+ 9.12]	318 42 7.52	43.752	- 50.5	[57.2]	20 52 . .	. .		. .
20	γ^1 Leonis	11	14	11.65	- 0.46	+ 9.01	18 30 4.90	43.052	+ 19.2	56.8	10 14 . .	. .		. .
21	ρ Leonis	8	27	17.04	- 0.50	+ 9.08	29 0 . .	. .	. .	. .	10 27 . .	. .		. .
22	Venus I, N.	6	50	52.68	- 0.50	+ 9.04	30 18 5.50	45.572	+ 33.3	57.3	10 51 1.22	+ 0.43	+ 8 32 29.7	. .
23	Venus II, S.	5	50	53.70	- 0.50	+ 9.04	30 18 5.50	46.260	+ 33.3	57.3	10 51 2.24	- 0.59	+ 8 32 16.6	. .
24	δ Leonis	11	8	31.58	- 0.46	+ 9.02	17 46 4.42	44.715	+ 18.2	57.2	11 8 . .	. .		. .
25	Mercury C, C. October 5, L.	11	43	31.36	- 0.52	+ 9.03	35 50 4.68	48.802	+ 41.0	57.3	11 43 39.87	- 0.11	+ 2 59 21.0	. .
26	Sun I, S.	11	45	32.57	- 0.55	+ 9.03	44 8 5.10	44.712	+ 54.6	57.3	12 45 41.05	+ 64.59	- 5 17 33.6	. .
27	Sun II, N.	11	47	41.75	- 0.55	+ 9.03	43 36 9.30	44.305	+ 53.6	57.3	12 47 50.23	- 64.59	- 4 45 30.8	. .
28	α Canum Venat.	11	51	5.55	- 0.41	+ 9.07	0 0 1.28	41.775	0.0	[51.0]	12 51 . .	. .		. .
29	α Virginis	11	19	39.65	- 0.58	[+ 8.83]	49 28 4.62	44.378	+ I 5.7	57.0	13 19 . .	. .		. .
30	α Ursæ Minoris S. P.	6	22	17.65	- 0.52	[+ 8.94]	307 38 2.45	46.157	- I 12.5	[60.0]	I 22 . .	. .		. .
31	η Bootis	11	49	40.05	- 0.47	+ 9.03	19 56 3.70	45.902	+ 20.4	57.6	13 49 . .	. .		. .
32	α Bootis	11	10	50.97	- 0.46	+ 8.99	19 8 3.58	45.101	+ 19.5	57.7	14 10 . .	. .		. .
33	μ Aquarii	11	47	1.95	- 0.56	+ 8.53	48 12 6.35	45.359	+ I 3.4	57.9	20 47 . .	. .		. .
34	I Pegasi	11	17	14.78	- 0.46	+ 8.60	19 28 6.70	47.038	+ 20.1	56.9	21 17 . .	. .		. .
35	Moon I, S.	11	21	9.13	- 0.60	+ 8.60	53 50 4.15	45.193	+ I 17.7	57.5	21 21 17.13	+ 66.72	- 15 3 20.9	. .
36	ξ Aquarii	11	32	12.19	- 0.56	+ 8.68	47 8 7.80	47.606	+ I 1.2	57.8	21 32 . .	. .		. .
37	γ Pegasi	11	7	52.10	- 0.47	+ 8.62	24 16 8.18	47.666	+ 25.7	58.5	0 8 . .	. .		. .
38	12 Ceti	11	24	43.36	- 0.54	+ 8.58	43 22 8.28	43.149	+ 53.9	58.1	0 24 . .	. .		. .
39	β Ceti	11	38	21.73	- 0.61	+ 8.62	57 22 8.25	46.145	+ I 29.1	58.4	0 38 . .	. .		. .
40	ϵ Piscium	11	57	32.15	- 0.50	+ 8.61	31 30 7.70	44.975	+ 35.0	57.5	0 57 . .	. .		. .
41	Parthenope	11	3	56.71	- 0.53	+ 8.60	40 16 8.18	44.465	+ 48.4	58.1	I 4 4.78	. .	- I 25 25.9	. .
42	η^1 Ceti	11	18	48.89	- 0.56	+ 8.59	47 32 8.05	46.774	+ I 2.5	58.0	I 18 . .	. .		. .
43	α Ursæ Minoris October 5, S.	7	22	16.00	+ 1.57	[+ 8.58]	310 6 5.02	46.752	- I 7.5	[58.9]	I 22 . .	. .		. .
44	γ^1 Leonis	4	14	11.88	- 0.46	+ 8.80	18 30 4.70	43.172	+ 18.9	57.8	10 14 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	<i>Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.</i>		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
3 1 25	30.272	50.3	48.6	1,	Bisections at B ₁ , B ₂ , B ₃ .	5	+ 3.3	+ 7.2	.	+ 10.5
10 3	30.266	57.0	54.4	4, 44.	Bisections at I, II, VI.	6	+ 3.3	- 7.2	+ 0.4	- 3.5
11 9	30.258	60.4	59.1	5, 6, 17, 35.	Z. D. thread A used.	8	+ 5.9	. .	+ 0.9	+ 6.8
4 12 44	30.248	61.2	59.3	5, 22, 25.	Bisections at I, VII.	9	+ 6.1	+ 16 3.1	.	+ 16 9.2
12 51	30.223	62.8	62.0	6, 23.	Bisections at II, VI.	10	+ 6.0	- 16 3.0	.	- 15 57.0
12 50	30.216	63.0	62.2	7, 10, 27.	Bisections at VI, VII.	17	+49 21.8	+15 46.5	.	+65 8.3
13 50	30.190	65.3	64.3	9, 26, 34.	Bisections at I, II.	22	+ 3.3	- 6.7	+ 0.3	- 3.1
14 36	30.180	67.5	66.8	12.	Bisections at D ₃ , D ₁ .	23	+ 3.3	+ 6.7	.	+ 10.0
20 21	30.176	59.0	58.1	17, 35.	Bisections at III, IV, V.	25	+ 5.8	. .	+ 0.8	+ 6.6
21 32	30.116	58.7	58.4	19.	Bisections at II, III, V, VI.	26	+ 6.1	+ 16 1.4	.	+ 16 7.5
10 15	30.020	61.0	59.3	30, 43.	Bisections at C ₄ , C ₃ , C ₂ .	27	+ 6.1	- 16 1.4	.	- 15 55.3
10 52	30.018	63.9	62.2	37.	Z. D. thread B used.	35	+46 6.4	+15 37.2	.	+61 43.6
11 9	.	.	63.3			41	+ 4.4	. .	.	+ 4.4
12 45	30.006	65.2	64.3							
5 12 48	29.974	68.2	67.2							
13 30	29.944	69.0	68.1							
14 9	29.924	70.2	69.1							
20 48	29.830	63.9	61.4							
21 32	29.824	62.2	61.0							
o 11	29.770	59.8	57.2							
i 25	29.748	54.4	56.2							
10 20	29.680	62.2	61.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	October 6, S. Sun I, S.	9	49 11.76	- 0.52	+ 8.78	44 30 10.45	47.695	+ 54.8	58.5	12 49 20.02	+64.58	- 5 40 35.1	..
2	Sun II, N.	11	51 20.91	- 0.52	+ 8.78	43 58 0.70	47.898	+ 53.8	58.5	12 51 29.17	-64.57	- 5 8 30.1	..
3	α Ursæ Minoris s. p.	6	22 16.95	+ 0.47	[+ 8.79]	307 38 3.15	46.110	- I 11.6	[60.0]	1 22 . . .	..	..	..
4	α Bootis	11	10 51.15	- 0.46	+ 8.81	19 8 3.35	45.170	+ 19.2	58.4	14 10 . . .	..	..	..
5	ε Bootis	11	40 22.59	- 0.45	+ 8.77	11 20 2.92	47.313	+ 11.1	58.7	14 40 . . .	..	..	..
6	α Coronæ Borealis	11	30 12.97	- 0.45	+ 8.72	11 48 5.95	43.238	+ 11.5	59.0	15 30 . . .	..	..	..
7	β Aquarii	11	26 4.41	- 0.58	+ 8.46	44 52 6.25	43.200	+ 55.8	58.3	21 26 . . .	..	..	..
8	ε Aquarii	11	32 12.44	- 0.59	+ 8.45	47 8 6.12	47.766	+ I 0.4	58.3	21 32 . . .	..	..	..
9	μ Capricorni	11	47 37.39	- 0.61	+ 8.42	52 52 5.18	44.729	+ I 14.1	58.4	21 47 . . .	..	..	..
10	α Aquarii	11	0 25.84	- 0.56	+ 8.46	39 40 6.98	42.761	+ 46.6	58.6	22 0 . . .	..	..	..
11	Moon I, S.	11	11 36.13	- 0.60	+ 8.46	48 16 0.05	39.163	+ I 3.1	58.5	22 11 43.99	+64.70	- 9 27 5.6	..
12	η Aquarii	11	30 0.11	- 0.56	+ 8.48	39 28 5.92	47.986	+ 46.4	58.0	22 30 . . .	..	..	..
13	β Ceti	11	38 21.95	- 0.63	+ 8.43	57 22 5.82	46.252	+ I 28.4	58.6	0 38 . . .	..	..	..
14	ε Piscium	11	57 32.16	- 0.54	+ 8.65	31 30 6.80	45.061	+ 34.8	58.1	0 57 . . .	..	..	..
15	Parthenope	9	3 4.16	- 0.56	+ 8.56	40 22 7.22	45.378	+ 48.2	58.5	1 3 12.16	..	- I 31 41.8	..
16	θ Ceti	11	18 48.94	- 0.59	+ 8.58	47 32 7.68	46.902	+ I 2.1	59.7	1 18 . . .	..	..	..
17	α Ursæ Minoris	6	22 18.72	- 1.02	[+ 8.58]	310 6 4.48	46.612	- I 7.1	[58.6]	1 22 . . .	..	..	..
18	October 6, L. β Leonis	7	43 42.46	- 0.44	+ 8.44	23 42 . . .	..	..	..	11 43 . . .	..	..	..
19	October 7, L. Sun I, N.	11	52 51.55	- 0.51	+ 8.41	44 22 6.05	44.485	+ 54.8	58.5	12 52 59.45	+64.71	- 5 31 29.2	..
20	Sun II, S.	11	55 0.96	- 0.51	+ 8.41	44 54 5.40	44.610	+ 55.8	58.5	12 55 8.86	-64.70	- 6 3 33.7	..
21	α Ursæ Minoris s. p.	6	22 19.52	- 1.55	[+ 8.37]	307 38 2.05	46.203	- I 12.0	[60.2]	1 22 . . .	..	..	..
22	α Bootis	11	10 51.57	- 0.42	+ 8.34	19 8 3.90	45.134	+ 19.4	58.3	14 10 . . .	..	..	..
23	ε Bootis	10	40 22.94	- 0.40	+ 8.36	11 22 3.30	41.066	+ 11.2	58.7	14 40 . . .	..	..	..
24	α Coronæ Borealis	11	30 13.25	- 0.40	+ 8.37	11 48 . . .	..	..	..	15 30 . . .	..	..	..
25	ζ Pegasi	11	36 15.90	- 0.45	+ 8.12	28 32 8.52	46.874	+ 31.3	57.9	22 36 . . .	..	..	..
26	λ Aquarii	11	47 11.22	- 0.54	+ 8.16	46 58 8.00	43.182	+ I 1.5	57.0	22 47 . . .	..	..	..
27	α Piscis Australis	11	51 55.04	- 0.69	+ 8.11	68 58 . . .	..	..	..	22 52 . . .	..	..	..
28	Moon I, S.	11	59 40.77	- 0.52	+ 8.14	42 24 7.75	44.797	+ 52.5	57.5	22 59 48.39	+63.40	- 3 33 36.5	..
29	θ Piscium	11	22 41.15	- 0.47	+ 8.17	33 2 9.72	42.748	+ 37.4	57.8	23 22 . . .	..	..	..
30	12 Ceti	11	24 43.77	- 0.52	+ 8.15	43 22 8.00	43.100	+ 54.5	57.5	0 24 . . .	..	..	..
31	β Ceti	11	38 22.23	- 0.60	+ 8.12	57 22 8.08	46.091	+ I 30.1	58.0	0 38 . . .	..	..	..
32	ε Piscium	11	57 32.61	- 0.46	+ 8.13	31 30 7.80	44.912	+ 35.5	56.9	0 57 . . .	..	..	..
33	Parthenope	11	2 11.47	- 0.50	+ 8.14	40 28 8.10	45.742	+ 49.4	57.5	1 2 19.11	..	- I 37 51.9	..
34	θ Ceti	11	18 49.33	- 0.54	+ 8.15	47 32 9.00	46.646	+ I 3.3	57.2	1 18 . . .	..	..	..
35	α Ursæ Minoris	7	22 13.60	+ 4.67	[+ 8.14]	310 6 5.68	46.675	- I 8.4	[58.0]	1 22 . . .	..	..	..
36	October 7, K. γ Leonis	11	14 12.26	- 0.27	+ 8.28	18 30 5.10	43.162	+ 19.5	58.9	10 14 . . .	..	..	..
37	ρ Leonis	11	27 17.75	- 0.30	+ 8.23	29 0 6.25	47.162	+ 32.3	58.4	10 27 . . .	..	..	..
38	Venus I, S.	6	4 39.78	- 0.31	+ 8.25	31 36 5.52	37.012	+ 35.7	58.4	11 4 47.72	+ 0.40	+ 7 13 57.4	..
39	Venus II, N.	5	4 40.70	- 0.31	+ 8.25	31 36 5.52	36.242	+ 35.7	58.4	11 4 48.64	- 0.52	+ 7 14 12.2	..
40	δ Leonis	11	8 32.19	- 0.26	+ 8.26	17 46 5.25	44.742	+ 18.6	58.5	11 8 . . .	..	..	..
41	β Leonis	11	43 42.52	- 0.28	+ 8.23	23 42 5.88	45.632	+ 25.4	58.4	11 43 . . .	..	..	..
42	Mercury II, C.	11	54 1.71	- 0.33	+ 8.25	36 28 6.38	43.062	+ 42.7	58.4	11 54 9.63	- 0.23	+ 2 23 8.8	..
43	α Canum Venat.	11	51 6.17	- 0.20	+ 8.26	359 58 7.52	48.109	0.0	57.9	12 51 . . .	..	..	..
44	October 8, K. Sun I	11	56 31.30	- 0.36	+ 8.24	45 0 . . .	..	..	..	12 56 39.18	+64.80	..	..
45	Sun II	10	58 40.90	- 0.36	+ 8.24	..	..	..	..	12 58 48.78	-64.80	..	..
46	α Ursæ Minoris s. p.	-8	22 21.91	- 3.65	[+ 8.21]	307 38 2.32	46.246	- I 13.9	[59.0]	1 22 . . .	..	..	..

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 12 51	29.658	68.2	67.4	1, 19.	Bisections at I, II.	1	+ 6.2	+16 2.5	..	+16 8.7
13 48	29.652	70.9	70.1	2, 6, 7, 13, 20.	Bisections at VI, VII.	2	+ 6.1	-16 2.4	..	-15 56.3
14 47	29.644	73.5	72.1	3.	Bisections at C ₁ , C ₂ , C ₃ .	11	+42 10.7	+15 28.2	..	+57 38.9
15 36	29.636	74.2	73.5	5.	Bisections at II, VI, VII.	15	+ 4.4	..	..	+ 4.4
21 20	29.700	66.0	65.2	11.	Bisections at III, IV, V.	19	+ 6.2	-16 2.2	..	-15 56.0
22 25	29.709	64.5	63.4	11, 38, 39.	Z. D. thread A used.	20	+ 6.2	+16 2.3	..	+16 8.5
0 49	29.712	61.0	59.6	17.	Bisections at B ₁ , B ₂ , B ₃ .	28	+37 44.1	+15 19.8	..	+53 3.9
1 35	29.712	60.0	58.2	21, 35.	Bisections at C ₁ , C ₂ , C ₃ .	33	+ 4.4	..	..	+ 4.4
7 12 55	29.700	66.5	65.3	28.	Bisections at II, III, IV, V, VI.	38	+ 3.4	+ 7.6	..	+ 11.0
13 31	29.688	68.3	67.3	38.	Bisections at I, VII.	39	+ 3.4	- 7.6	..	- 3.8
14 12	29.682	69.9	68.2	39.	Bisections at I, VI.	42	+ 5.3	..	+ 0.4	..
14 42	29.678	70.9	69.2	41.	Bisections at I, II, VII.	..	..	..	+ 0.6	..
22 36	29.850	58.2	55.2	46.	Bisections at C ₃ , C ₄ , C ₅ , C ₂ , C ₁ .	..	..	..	..	..
23 20	29.848	57.1	55.2	..	..	..	..	..	..	..
0 26	29.848	55.6	53.2	..	..	..	..	..	..	..
1 18	29.850	55.1	..	..	..	..	..	..	..	..
10 14	29.972	54.4	50.3	..	..	..	..	..	..	..
11 0	29.976	55.4	52.2	..	..	..	..	..	..	..
11 50	29.972	57.2	53.9	..	..	..	..	..	..	..
8 12 59	29.956	59.4	57.0	..	..	..	..	..	..	..
13 18	29.944	60.0	57.8	..	..	..	..	..	..	..

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	η Bootis	11	49 40.68	- 0.27	+ 8.20	19 56 4.68	45.886	+ 20.8	58.2	13 49 . . .	. . .	. . .	. . .
2	α Bootis	11	10 51.54	- 0.27	+ 8.22	19 8 3.30	45.168	+ 19.8	58.5	14 10 . . .	. . .	. . .	. . .
3	ε Bootis	11	40 22.85	- 0.24	+ 8.28	11 20 4.15	47.276	+ 11.5	58.8	14 40 . . .	. . .	. . .	. . .
	October 8, La.												
4	γ ¹ Leonis	11	14 12.43	- 0.38	+ 8.24	18 30 5.80	42.952	+ 19.1	56.4	10 14 . . .	. . .	. . .	. . .
5	Venus I, S.	5	9 14.74	- 0.44	+ 8.18	32 2 6.02	48.920	+ 35.4	57.3	11 9 22.48	+ 0.32	+ 6 47 23.0	. . .
6	Venus II, N.	6	9 15.48	- 0.44	+ 8.18	32 2 6.02	48.235	+ 35.4	57.3	11 9 23.22	- 0.42	+ 6 47 36.1	. . .
7	β Leonis	11	43 42.77	- 0.40	+ 8.12	23 42 4.90	45.685	+ 24.7	58.0	11 43 . . .	. . .	. . .	. . .
8	Mercury II, C.	11	58 20.03	- 0.46	+ 8.15	36 48 4.90	44.331	+ 41.8	57.3	11 58 27.72	- 0.22	+ 2 2 45.7	. . .
9	α Canum Venat.	5	51 6.44	- 0.31	+ 8.13	359 58 . . .	. . .	. . .	. . .	12 51 . . .	. . .	. . .	. . .
	October 9, La.												
10	Sun I, S.	11	0 11.97	- 0.50	+ 8.11	45 40 4.10	43.682	+ 56.7	57.3	13 0 19.58	+ 64.76	- 6 49 14.9	. . .
11	Sun II, N.	11	2 21.50	- 0.50	+ 8.11	45 8 4.15	43.468	+ 55.7	57.3	13 2 29.11	- 64.77	- 6 17 11.7	. . .
12	α Bootis	7	10 51.83	- 0.39	+ 8.05	19 8 4.05	45.000	+ 19.3	57.1	14 10 . . .	. . .	. . .	. . .
13	ε Bootis	10	40 23.20	- 0.36	+ 8.05	11 20 9.40	46.893	+ 11.2	56.7	14 40 . . .	. . .	. . .	. . .
14	β Ursæ Minoris	11	50 48.90	- 0.05	+ 7.89	324 18 9.05	43.087	- 39.6	[56.4]	14 50 . . .	. . .	. . .	. . .
15	α Coronæ Borealis	11	30 13.56	- 0.36	+ 8.00	11 48 3.52	43.374	+ 11.6	57.5	15 30 . . .	. . .	. . .	. . .
16	α Serpentis	10	39 6.15	- 0.44	+ 8.03	32 6 3.75	44.558	+ 34.8	58.1	15 39 . . .	. . .	. . .	. . .
17	79 Draconis	11	51 29.53	- 0.18	+ 7.96	325 38 3.65	46.584	- 38.9	58.1	21 51 . . .	. . .	. . .	. . .
18	B. D. + 51°, 3324	11	14 34.83	- 0.32	+ 8.05	346 43 31.87	42.131	- 13.5	57.1	22 14 42.56	- 3.45	+ 52 8 55.4	- 31.6
19	ω Cephei	11	14 20.69	- 0.23	+ 7.80	331 18 6.35	46.006	- 31.4	55.7	23 14 . . .	. . .	. . .	. . .
20	o Piscium	11	53 58.18	- 0.50	+ 8.00	32 32 7.50	46.612	+ 36.8	57.4	23 54 . . .	. . .	. . .	. . .
21	γ Pegasi	11	7 52.69	- 0.46	+ 8.03	24 14 7.90	43.748	+ 26.0	57.1	0 8 . . .	. . .	. . .	. . .
22	12 Ceti	11	24 43.95	- 0.54	+ 8.00	43 22 8.38	43.050	+ 54.6	56.9	0 24 . . .	. . .	. . .	. . .
23	Moon I, N.	11	33 3.41	- 0.50	+ 8.06	30 18 3.98	44.927	+ 33.8	57.0	0 33 10.97	+ 62.99	+ 8 32 42.9	. . .
24	Parthenope	11	0 26.30	- 0.53	+ 8.06	40 40 3.42	45.982	+ 49.8	57.0	1 0 33.83	. . .	- 1 49 52.7	. . .
25	α Ursæ Minoris	7	22 11.11	+ 2.18	+ 13.41	310 6 3.45	46.740	- 8.6	57.6	1 22 . . .	. . .	. . .	. . .
26	o Piscium	11	39 54.05	- 0.48	+ 8.19	30 12 5.42	44.436	+ 33.9	56.5	1 40 . . .	. . .	. . .	. . .
	October 11, La.												
28	β Ceti	11	38 22.98	- 0.53	+ 7.32	57 22 4.50	46.591	+ 1 27.2	60.7	0 38 . . .	. . .	. . .	. . .
29	Parthenope	11	58 42.15	- 0.48	+ 7.28	40 52 4.68	44.584	+ 48.4	59.9	0 58 48.95	. . .	- 2 1 22.9	. . .
30	β Arietis	10	48 54.79	- 0.43	+ 7.24	18 32 6.92	45.612	+ 18.8	59.1	1 49 . . .	. . .	. . .	. . .
31	Moon II.	11	11 3.68	- 0.45	+ 7.29	20 46 . . .	. . .	. . .	. . .	2 11 10.52	- 64.87	. . .	. . .
	October 12, Br.												
32	γ Pegasi	11	7 53.31	- 0.38	+ 7.33	24 14 . . .	. . .	. . .	. . .	0 8 . . .	. . .	. . .	. . .
33	β Ceti	11	38 22.99	- 0.44	+ 7.22	57 22 6.62	46.445	+ 1 28.2	61.5	0 38 . . .	. . .	. . .	. . .
34	Parthenope	11	57 50.29	- 0.40	+ 7.26	40 58 6.62	43.026	+ 49.1	60.1	0 57 57.15	. . .	- 2 6 55.4	. . .
35	α Ursæ Minoris	5	22 30.18	- 4.97	+ 2.19	310 6 5.10	46.644	- 1 6.8	[60.1]	1 22 . . .	. . .	. . .	. . .
36	γ Ceti	11	37 55.33	- 0.39	+ 7.30	36 2 4.92	45.135	+ 41.3	59.5	2 38 . . .	. . .	. . .	. . .
37	Moon II, N.	11	1 30.54	- 0.38	+ 7.22	16 46 5.90	44.572	+ 17.2	60.1	3 1 37.38	- 66.20	+ 22 5 7.5	. . .
38	ε Eridani	11	28 2.07	- 0.42	+ 7.13	48 38 5.80	45.496	+ 1 4.6	59.1	3 28 . . .	. . .	. . .	. . .
39	η Tauri	11	41 19.54	- 0.37	+ 7.28	15 4 4.18	43.542	+ 15.4	60.1	3 41 . . .	. . .	. . .	. . .
40	ζ Persei	11	47 37.65	- 0.37	+ 7.13	7 16 2.58	45.841	+ 7.3	60.3	3 47 . . .	. . .	. . .	. . .
	October 12, S.												
41	μ Leonis	11	46 50.04	- 0.37	+ 7.66	12 22 3.38	44.361	+ 12.5	58.0	9 46 . . .	. . .	. . .	. . .
42	α Leonis	11	2 48.57	- 0.39	+ 7.69	26 22 4.00	47.360	+ 28.3	58.0	10 2 . . .	. . .	. . .	. . .
43	γ ¹ Leonis	11	14 13.05	- 0.38	+ 7.72	18 30 3.50	43.249	+ 19.0	57.5	10 14 . . .	. . .	. . .	. . .
44	ρ Leonis	11	27 18.49	- 0.39	+ 7.69	29 0 3.68	47.338	+ 31.5	57.7	10 27 . . .	. . .	. . .	. . .
45	Venus I, S.	6	27 31.15	- 0.40	+ 7.67	33 50 2.82	40.260	+ 38.0	58.1	11 27 38.42	+ 0.35	+ 4 58 55.3	. . .
46	Venus II, N.	5	27 31.94	- 0.40	+ 7.67	33 50 2.82	39.648	+ 37.9	58.1	11 27 39.21	- 0.44	+ 4 59 7.1	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
8 13 50	29.932	61.5	59.3	4, II.	Bisections at VI, VII.	5	+ 3.4	+ 6.7	. . .	+ 10.1
14 40	29.916	64.2	61.1	5, 39, 45.	Bisections at II, VI.	6	+ 3.4	- 6.7	+ 0.3	- 3.0
10 22	29.828	59.0	58.5	6, 46.	Bisections at I, VII.	8	+ 5.2	. . .	+ 0.6	+ 5.8
11 4	29.850	63.4	63.0	10, 16.	Bisections at I, II.	10	+ 6.3	+ 16 1.6	. . .	+ 16 7.9
11 55	29.868	68.0	68.8	12.	Bisection at VII.	11	+ 6.3	- 16 1.6	. . .	- 15 55.3
9 13 2	29.888	72.4	74.1	13, 33.	Bisections at II, VI, VII.	23	+ 27 43.5	- 15 4.5	. . .	+ 12 39.0
14 11	29.876	73.6	73.9	14, 37.	Bisections at III, IV, V.	24	+ 4.4	. . .	. . .	+ 4.4
15 5	29.884	74.8	74.3	17, 19.	Bisections at III, C ₁ , C ₅ , V.	29	+ 4.4	. . .	. . .	+ 4.4
15 39	29.880	73.8	73.5	23.	Bisections at II, III, IV, V, VI.	34	+ 4.4	. . .	. . .	+ 4.4
21 51	29.967	61.6	59.2	25.	Bisections at C ₁ , C ₃ , C ₄ .	37	+ 15 30.8	- 14 48.4	. . .	+ 0 42.4
23 18	29.980	58.4	56.0	35.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	45	+ 3.6	+ 6.0	. . .	+ 9.6
0 12	29.988	57.2	55.0	45, 46.	Z. D. thread A used.	46	+ 3.6	- 6.0	+ 0.2	- 2.2
1 4	29.992	55.6	53.3							
1 40	30.000	53.8	51.8							
2 39	29.732	68.0	67.1							
2 3	29.720	68.1	67.2							
0 4	29.930	65.5	64.2							
1 13	29.944	65.5	64.4							
2 28	29.956	64.5	63.0							
3 19	29.958	63.5	62.3							
3 59	29.964	63.5	62.1							
9 53	30.136	65.6	64.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Mercury C. C. . .	11	18 24.12	- 0.41	+ 7.66	38 40 3.60	48.954	+ 45.1	58.1	12 18 31.37	- 0.04	+ 0 9 15.9	. .
2	α Canum Venat. . .	11	51 7.01	- 0.37	+ 7.63	359 58 1.48	48.488	0.0	57.5	12 51 . .	. .	. .	. .
	October 13, S.												
3	Sun I, S.	11	14 58.12	- 0.42	+ 7.65	47 8 2.60	51.032	+ 1 0.5	58.1	13 15 5.35	+ 65.19	- 8 19 37.4	. .
4	Sun II, N.	11	17 8.50	- 0.42	+ 7.65	46 36 4.00	50.548	+ 59.4	58.1	13 17 15.73	- 65.19	- 7 47 30.2	. .
5	α Ursæ Minoris S. P.	5	22 16.60	+ 3.24	[+ 7.68]	307 38 9.32	45.874	- 1 12.3	[58.6]	1 22 . .	. .	. .	. .
6	β Bootis	11	10 52.24	- 0.38	+ 7.62	19 8 2.08	45.261	+ 19.4	57.8	14 10 . .	. .	. .	. .
7	ε Bootis	11	40 23.55	- 0.37	+ 7.70	11 20 1.38	47.456	+ 11.3	58.0	14 40 . .	. .	. .	. .
8	β Libræ	7	11 22.94	- 0.43	+ 7.51	47 50 2.50	47.142	+ 1 1.6	59.6	15 11 . .	. .	. .	. .
9	α Coronæ Borealis .	11	30 13.84	- 0.37	+ 7.69	11 48 2.72	43.494	+ 11.7	58.3	15 30 . .	. .	. .	. .
10	ε Serpentis	11	39 6.46	- 0.40	+ 7.64	32 6 3.12	44.592	+ 35.0	59.0	15 39 . .	. .	. .	. .
11	β Ceti	11	38 22.75	- 0.48	+ 7.50	57 22 2.88	46.532	+ 1 29.4	59.9	0 38 . .	. .	. .	. .
12	Parthenope	11	56 58.72	- 0.44	+ 7.54	41 2 3.48	47.459	+ 49.9	58.8	0 57 5.82	. .	- 2 12 19.4	. .
13	α Ursæ Minoris . .	5	22 21.00	- 3.86	[+ 7.51]	310 6 0.35	46.727	- 1 7.7	[58.7]	1 22 . .	. .	. .	. .
14	η Piscium	11	25 55.71	- 0.41	+ 7.54	24 2 3.30	43.431	+ 25.6	59.1	1 26 . .	. .	. .	. .
15	ο Piscium	11	39 54.65	- 0.42	+ 7.56	30 12 2.72	44.684	+ 33.4	58.2	1 40 . .	. .	. .	. .
16	η Tauri	11	41 19.26	- 0.40	+ 7.61	15 4 2.85	43.504	+ 15.6	58.4	3 41 . .	. .	. .	. .
17	ζ Persei	11	47 37.24	- 0.39	+ 7.59	7 16 3.38	45.699	+ 7.4	58.6	3 47 . .	. .	. .	. .
18	Moon II, N.	11	53 49.47	- 0.41	+ 7.60	14 6 3.75	43.473	+ 14.5	58.8	3 53 56.66	- 67.43	+ 24 45 32.1	. .
19	γ Tauri	11	13 53.19	- 0.40	+ 7.62	23 28 3.70	44.480	+ 25.1	58.5	4 14 . .	. .	. .	. .
20	α Tauri	11	29 57.89	- 0.40	+ 7.61	22 32 3.58	46.548	+ 24.0	59.1	4 30 . .	. .	. .	. .
	October 13, L.												
21	Venus I, S.	6	32 4.50	- 0.43	+ 7.64	34 20 3.40	42.698	+ 39.4	57.8	11 32 11.71	+ 0.40	+ 4 31 21.4	. .
22	Venus II, N.	5	32 5.40	- 0.43	+ 7.64	34 20 3.40	42.135	+ 39.4	57.8	11 32 12.61	- 0.50	+ 4 31 32.2	. .
23	β Leonis	11	43 43.35	- 0.40	+ 7.61	23 42 2.95	45.791	+ 25.3	57.8	11 43 . .	. .	. .	. .
24	Mercury II, C. . .	11	23 56.59	- 0.45	+ 7.62	39 16 2.65	44.350	+ 46.8	57.8	12 24 3.76	- 0.20	- 0 25 16.9	. .
25	α Canum Venat. . .	11	51 6.98	- 0.34	+ 7.64	0 0 1.80	42.198	0.0	56.9	12 51 . .	. .	. .	. .
	October 14, L.												
26	Sun I, S.	11	18 41.12	- 0.48	+ 7.60	47 32 3.35	45.602	+ 1 2.0	57.8	13 18 48.24	+ 65.18	- 8 41 55.8	. .
27	Sun II, N.	11	20 51.47	- 0.48	+ 7.60	47 0 7.40	44.920	+ 1 0.9	57.8	13 20 58.59	- 65.17	- 8 9 47.5	. .
28	α Ursæ Minoris S. P.	8	22 21.12	- 0.97	[+ 7.62]	307 38 5.85	45.992	- 1 13.2	[56.1]	1 22 . .	. .	. .	. .
29	η Bootis	11	49 41.42	- 0.39	+ 7.59	19 56 3.10	45.990	+ 20.6	57.3	13 49 . .	. .	. .	. .
30	α Bootis	11	10 52.29	- 0.39	+ 7.58	19 8 2.98	45.235	+ 19.6	58.2	14 10 . .	. .	. .	. .
31	ρ Bootis	11	27 17.73	- 0.36	+ 7.57	8 2 8.95	44.455	+ 8.0	58.1	14 27 . .	. .	. .	. .
32	ε Bootis	11	40 23.63	- 0.36	+ 7.60	11 20 2.08	47.448	+ 11.4	58.5	14 40 . .	. .	. .	. .
33	γ Pegasi	11	7 53.08	- 0.45	+ 7.63	24 14 3.58	43.998	+ 26.0	58.0	0 8 . .	. .	. .	. .
34	12 Ceti	11	24 44.36	- 0.52	+ 7.59	43 22 1.65	43.481	+ 54.4	58.1	0 24 . .	. .	. .	. .
35	β Ceti	11	38 22.80	- 0.59	+ 7.56	57 22 2.10	46.482	+ 1 29.9	58.5	0 38 . .	. .	. .	. .
36	Parthenope	11	56 7.60	- 0.51	+ 7.60	41 8 2.80	45.036	+ 50.4	58.3	0 56 14.69	. .	- 2 17 33.3	. .
37	θ Ceti	7	18 49.93	- 0.54	+ 7.60	47 32 3.45	47.039	+ 1 3.1	58.5	1 18 . .	. .	. .	. .
38	α Ursæ Minoris . .	7	22 18.73	+ 1.59	[+ 7.57]	310 5 59.38	46.907	- 1 8.2	[58.7]	1 22 . .	. .	. .	. .
39	Moon II, N.	11	47 39.04	- 0.42	+ 7.67	12 38 1.45	41.513	+ 13.0	57.6	4 47 46.29	- 68.29	+ 26 14 12.3	. .
40	ι Aurigæ	11	50 14.89	- 0.38	+ 7.65	5 50 1.85	47.620	+ 6.0	57.8	4 50 . .	. .	. .	. .
41	11 Orionis	11	58 38.13	- 0.44	+ 7.71	23 34 2.58	48.120	+ 25.4	57.7	4 58 . .	. .	. .	. .
42	β Tauri	11	19 44.33	- 0.40	+ 7.67	10 20 1.78	44.261	+ 10.6	57.3	5 19 . .	. .	. .	. .
43	Neptune C. C. . .	11	27 17.89	- 0.42	+ 7.68	17 0 2.05	43.825	+ 17.8	57.6	5 27 25.15	. .	+ 21 51 22.4	. .
44	ε Orionis	11	30 55.93	- 0.51	+ 7.66	40 6 0.62	45.976	+ 48.9	57.8	5 31 . .	. .	. .	. .
	October 14, K.												
45	δ Leonis	11	8 32.79	- 0.43	+ 7.96	17 46 0.02	45.109	+ 18.3	58.5	11 8 . .	. .	. .	. .
46	Venus I, N.	5	36 37.66	- 0.47	+ 7.92	34 46 4.78	37.370	+ 39.5	58.6	11 36 45.11	+ 0.30	+ 4 3 47.7	. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
12 12 56	30.196	73.0	73.0	3, 8, 26.	Bisections at I, II.			1	+	4.9	. .	+ 0.3	+ 5.2
13 13 17	30.200	73.2	73.1	4, 27, 40.	Bisections at VI, VII.			3	+	6.5	+16 3.5	. .	+16 10.0
14 16 16	30.186	74.9	74.5	5.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .			4	+	6.4	-16 3.6	. .	-15 57.2
15 22 22	30.184	76.8	75.6	10.	Bisections at I, II, VII.			12	+	4.4	. .	. .	+ 4.4
0 44 30.242	64.3	63.1	62.5	13.	Bisections at B ₁ , B ₂ , B ₃ .			18	+13	2.5	-14 46.0	. .	+ 1 43.5
1 37 30.250	63.6	62.5	61.9	18, 39.	Bisections at III, IV, V.			21	+	3.6	+ 5.5	. .	+ 9.1
3 59 30.245	61.9	60.2	60.3	21, 46.	Bisections at I, VII.			22	+	3.6	- 5.5	+ 0.2	- 1.7
4 36 30.240	61.3	59.3	64.2	22.	Bisections at II, VI.			24	+	4.9	. .	+ 0.3	+ 5.2
11 30 30.308	63.8	60.3	68.5	28.	Bisections at C ₃ , C ₂ , C ₁ .			26	+	6.5	+16 4.1	. .	+16 10.6
13 21 30.298	69.6	70.3	71.9	38.	Bisections at C ₂ , C ₁ .			27	+	6.5	-16 4.2	. .	-15 57.7
13 51 30.280	70.9	70.3	72.1	46.	Z. D. thread A used.			36	+	4.4	. .	. .	+ 4.4
14 28 30.272	72.5	71.9	62.2					39	+11	41.0	-14 45.8	. .	+ 3 4.8
14 5 30.264	73.1	72.1	60.2					43	+	0.1	. .	. .	+ 0.1
0 26 30.196	60.5	58.3	55.4					46	+	3.6	- 7.1	+ 0.3	- 3.2
1 40 30.160	59.1	55.4	55.0										
5 36 30.150	53.1	55.0	63.4										
11 9 30.168	66.0	63.4											

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	Venus II, S. . . .	6	m s	s	s	° / "	rev.	/ "	/ "	h m s	s	° / "	"
2	β Leonis	11	36 38.35	- 0.47	+ 7.92	34 46 4.78	38.100	+ 39.5	58.6	11 36 45.80	- 0.39	+ 4 3 33.8	..
3	Mercury C, C. . . .	11	43 43.16	- 0.44	+ 7.86	23 42 5.92	45.751	+ 25.0	59.5	11 43 . . .	..	..	..
4	Canum Venat. . . .	11	29 37.17	- 0.49	+ 7.90	39 52 5.75	45.395	+ 47.1	59.0	12 29 44.58	- 0.03	- 1 1 39.1	..
5	α Ursæ Minoris s. P.	11	51 6.76	- 0.40	+ 7.93	359 58 5.08	48.295	0.0	58.2	12 51 . . .	..	..	..
	October 15, K.	4	22 19.15	+ 0.97	[+ 7.86]	307 38 2.35	46.467	- 1 12.2	[61.0]	1 22 . . .	..	..	..
6	Sun I, N.	10	22 24.11	- 0.51	+ 7.89	47 22 4.78	45.822	+ 1 0.8	59.5	13 22 31.49	+ 65.31	- 8 31 58.5	..
7	Sun II, S.	11	24 34.73	- 0.51	+ 7.89	47 54 0.25	46.292	+ 1 2.0	59.5	13 24 42.11	- 65.31	- 9 4 6.0	..
8	α Bootis	11	10 52.11	- 0.43	+ 7.80	19 7 57.72	45.598	+ 19.4	59.5	14 10 . . .	..	..	..
9	ρ Bootis	11	27 17.46	- 0.41	+ 7.89	8 2 0.90	44.986	+ 7.9	59.9	14 27 . . .	..	..	..
10	ϵ Bootis	11	40 23.43	- 0.42	+ 7.86	11 20 2.40	47.539	+ 11.2	60.2	14 40 . . .	..	..	..
11	α^2 Libræ	11	45 5.56	- 0.54	+ 7.90	54 26 1.88	48.481	+ 1 17.7	61.0	14 45 . . .	..	..	..
12	α Aquarii	11	0 26.29	- 0.41	+ 7.77	39 40 3.05	43.118	+ 46.7	61.6	22 0 . . .	..	..	..
13	B. D. + 51°, 3324	11	14 34.91	- 0.42	+ 7.78	346 42 1.72	46.939	- 13.2	60.2	22 14 42.27	- 3.34	+ 52 8 56.6	-33.0
14	226 B. Cephei	11	30 23.96	- 0.66	[+ 7.93]	323 10 2.28	44.249	- 42.0	61.5	22 30 . . .	..	..	..
15	ζ Pegasi	9	36 16.12	- 0.39	+ 7.78	28 32 3.88	47.226	+ 30.7	59.8	22 36 . . .	..	..	..
16	ζ Cephei	11	45 57.22	- 0.49	[+ 7.80]	333 12 0.55	44.242	- 28.4	60.2	22 46 . . .	..	..	..
17	ϵ Piscium	11	57 32.95	- 0.40	+ 7.77	31 30 6.55	45.138	+ 34.8	59.6	0 57 . . .	..	..	..
18	α Ursæ Minoris . . .	7	22 25.30	- 5.08	[+ 7.86]	310 6 1.62	46.715	- 1 7.0	59.0	1 22 . . .	..	..	..
19	β Tauri	11	19 44.09	- 0.39	+ 7.93	10 20 3.78	44.278	+ 10.5	59.5	5 19 . . .	..	..	..
20	Neptune C, C. . . .	11	27 14.75	- 0.39	+ 7.94	17 0 1.40	44.184	+ 17.5	59.2	5 27 22.30	..	+ 21 51 18.1	..
21	ϵ Orionis	11	30 55.64	- 0.41	+ 7.88	40 6 2.88	45.946	+ 48.1	58.6	5 31 . . .	..	..	..
22	Moon II, N.	11	42 15.43	- 0.40	+ 7.95	12 26 2.20	34.030	+ 12.6	59.2	5 42 22.98	- 68.58	+ 26 25 21.8	..
23	α Orionis	11	49 32.10	- 0.40	+ 8.05	31 28 3.88	42.701	+ 35.0	59.9	5 49 . . .	..	..	..
24	ν Orionis	11	1 38.11	- 0.39	+ 7.94	24 4 2.72	44.722	+ 25.5	58.9	6 1 . . .	..	..	..
	October 15, B.												
25	δ Leonis	11	8 32.58	- 0.42	+ 8.18	17 46 8.60	44.832	+ 18.0	61.3	11 8 . . .	..	..	..
26	Venus I	5	41 10.46	- 0.44	+ 8.14	35 14 . . .	..	..	..	11 41 18.16	+ 0.39	..	..
27	Venus II	6	41 11.35	- 0.44	+ 8.14	..	..	..	..	11 41 19.05	- 0.50	..	..
28	β Leonis	6	43 42.81	- 0.42	+ 8.21	23 42 8.90	35.390	+ 24.4	59.7	11 43 . . .	..	..	..
29	γ Corvi	11	10 24.91	- 0.50	+ 8.01	55 48 7.90	46.031	+ 1 21.4	62.7	12 10 . . .	..	..	..
30	Mercury C, C. . . .	11	35 24.56	- 0.44	+ 8.10	40 30 4.28	45.235	+ 47.2	61.6	12 35 32.22	- 0.03	- 1 39 32.0	..
31	α Canum Venat. . . .	11	51 6.61	- 0.41	+ 8.10	359 58 8.72	48.322	0.0	60.6	12 51 . . .	..	..	..
32	α Ursæ Minoris s. P.	3	22 16.73	+ 3.33	[+ 8.08]	307 38 0.90	46.567	- 1 10.8	[61.8]	1 22 . . .	..	..	..
	October 16, B.												
33	Sun I, S.	11	26 7.95	- 0.47	+ 8.06	48 16 3.10	46.660	+ 1 1.5	62.0	13 26 15.54	+ 65.31	- 9 26 11.1	..
34	Sun II, N.	11	28 18.57	- 0.47	+ 8.06	47 44 2.92	46.268	+ 1 0.3	62.0	13 28 26.16	- 65.31	- 8 54 4.1	..
35	α Bootis	11	10 51.83	- 0.42	+ 8.07	19 8 11.35	45.031	+ 19.0	61.6	14 10 . . .	..	..	..
36	α^2 Libræ	10	45 5.42	- 0.49	+ 7.99	54 26 0.82	48.720	+ 1 16.1	63.4	14 45 . . .	..	..	..
37	β Libræ	11	11 22.51	- 0.47	+ 7.97	47 50 0.95	47.426	+ 59.9	63.1	15 11 . . .	..	..	..
38	γ Pegasi	10	7 52.44	- 0.40	+ 8.22	24 14 3.30	44.219	+ 25.2	61.3	0 8 . . .	..	..	..
39	ζ Ceti	11	24 43.72	- 0.40	+ 8.11	43 22 8.62	43.420	+ 52.7	62.2	0 24 . . .	..	..	..
40	Parthenope	11	54 27.00	- 0.40	+ 8.11	41 18 5.18	45.182	+ 49.1	61.1	0 54 34.71	..	- 2 27 34.3	..
41	ϵ Piscium	11	57 32.65	- 0.40	+ 8.08	31 30 8.35	45.162	+ 34.3	61.4	0 57 . . .	..	..	..
42	α Ursæ Minoris . . .	5	22 28.24	- 8.08	[+ 8.04]	310 6 4.05	46.583	- 1 6.0	[60.5]	1 22 . . .	..	..	..
43	α Piscium	11	39 54.20	- 0.40	+ 8.02	30 12 3.52	44.796	+ 32.6	60.4	1 40 . . .	..	..	..
44	β Orionis	11	58 37.67	- 0.40	+ 8.19	23 34 3.88	48.328	+ 24.4	62.1	4 58 . . .	..	..	..
45	β Tauri	11	19 43.84	- 0.41	+ 8.23	10 20 3.25	44.376	+ 10.2	60.6	5 19 . . .	..	..	..
46	Neptune C, C. . . .	11	27 11.51	- 0.40	+ 8.19	17 0 3.05	44.460	+ 17.1	61.1	5 27 19.30	..	+ 21 51 13.4	..
47	ν Orionis	11	1 37.91	- 0.40	+ 8.18	24 4 8.75	44.541	+ 25.0	61.0	6 1 . . .	..	..	..

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
14	11 44	30.168	68.6	66.1	1.	Bisections at II, VI.	1	+ 3.6	+ 7.1	..	+ 10.7
14	12 30	30.168	71.8	70.4	1, 22, 28.	Z. D. thread A used.	3	+ 4.9	..	+ 0.3	+ 5.2
15	13 7	30.164	73.3	72.2	4, 7, 28, 34.	Bisections at VI, VII.	6	+ 6.5	- 16 3.7	..	- 15 57.2
15	13 25	30.152	74.0	73.1	5.	Bisections at D ₃ , D ₁ , C ₅ .	7	+ 6.6	+ 16 3.7	..	+ 16 10.3
14	14 11	30.125	75.6	75.2	6, 33.	Bisections at I, II.	20	+ 0.1	..	..	+ 0.1
14	14 45	30.118	78.8	76.4	13, 14, 16.	Bisections at II, III, V, VI.	22	+ 11 32.4	- 14 48.0	..	- 3 15.6
22	0 53	30.060	69.2	68.0	18, 42.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	30	+ 4.9	..	+ 0.2	+ 5.1
22	0 58	30.056	66.5	65.3	22.	Bisections at II, III, IV, V, VI.	33	+ 6.6	+ 16 3.5	..	+ 16 10.1
5	20	30.018	66.0	64.5	32.	Bisections at D ₃ , D ₂ , D ₁ .	34	+ 6.6	- 16 3.5	..	- 15 56.9
6	2	29.964	61.8	60.2	36.	Bisections at II, VI, VII.	40	+ 4.4	..	..	+ 4.4
11	0	29.996	72.0	70.1			46	+ 0.1	..	..	+ 0.1
12	0	29.998	77.4	75.7							
12	55	29.990	80.0	79.1							
16	13 28	29.966	81.2	80.9							
14	15	29.940	82.5	83.1							
15	10	29.924	86.6	85.1							
0	10	29.870	71.0	69.9							
1	25	29.800	69.0	68.1							
5	0	29.820	68.8	70.1							
5	35	29.838	69.0	68.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	μ Geminorum . . .	11	16 40.37	- 0.40	+ 8.18	16 16 3.32	48.118	+ 16.4	59.9	6 16 . . .			
2	Moon II, S.	11	36 45.84	- 0.41	+ 8.21	14 4 4.02	44.776	+ 14.1	61.1	6 36 53.64	-68.31	+ 24 47 9.5	
	October 17, S.												
3	β Tauri	11	19 43.57	- 0.15	+ 8.27	10 20 5.55	44.046	+ 11.0	57.4	5 19 . . .			
4	Neptune C, C. . . .	11	27 8.00	- 0.18	+ 8.28	17 0 4.72	44.304	+ 18.3	58.5	5 27 16.10		+ 21 51 8.9	
5	ϵ Orionis	11	30 55.19	- 0.28	+ 8.25	40 5 58.78	45.810	+ 50.4	55.5	5 31 . . .			
6	α Orionis	11	49 31.81	- 0.24	+ 8.24	31 28 7.20	42.290	+ 36.6	56.9	5 49 . . .			
7	δ Ursæ Minoris S.P.	5	4 55.41	- 2.81	[+ 8.25]	305 30 4.90	43.896	- 1 23.5	[58.6]	18 5 . . .			
8	δ Geminorum	11	13 54.33	- 0.18	+ 8.27	16 40 4.32	47.036	+ 18.1	56.1	7 14 . . .			
9	Moon II, S.	11	30 25.15	- 0.18	+ 8.30	16 28 5.98	46.488	+ 17.8	56.5	7 30 33.27	-67.60	+ 22 22 26.4	
10	β Geminorum	11	38 56.63	- 0.15	+ 8.41	10 34 4.72	47.065	+ 11.3	56.4	7 39 . . .			
	October 18, K.												
11	δ Ceti	11	24 43.41	- 0.31	+ 8.33	43 22 6.22	43.126	+ 55.7	57.0	0 24 . . .			
12	β Ceti	11	38 21.85	- 0.39	+ 8.32	57 22 4.82	46.210	+ 1 32.0	57.6	0 38 . . .			
13	Parthenope	11	52 48.96	- 0.30	+ 8.33	41 28 6.75	42.554	+ 52.1	57.0	0 52 56.99		- 2 36 52.6	
14	ϵ Piscium	11	57 32.30	- 0.26	+ 8.30	31 30 6.28	44.886	+ 36.2	56.0	0 57 . . .			
15	δ Ceti	11	18 48.97	- 0.34	+ 8.38	47 32 3.15	46.931	+ 1 4.5	57.3	1 18 . . .			
16	α Ursæ Minoris . . .	7	22 14.91	+ 5.00	[+ 8.33]	310 6 4.65	46.545	- 1 9.7	[57.1]	1 22 . . .			
	October 29, Br.												
17	α Ursæ Minoris S.P.	5	22 24.72	- 8.32	[+ 11.55]	307 38 5.35	46.359	- 1 15.0	[54.7]	1 22 . . .			
18	α Bootis	11	10 48.21	- 0.17	+ 11.50	19 8 6.78	44.992	+ 20.1	54.3	14 10 . . .			
	October 30, Br.												
19	Sun N.					52 36 6.15	45.800	+ 1 15.6	54.2	14 20 . . .		- 13 46 19.5	
20	Sun S.					53 8 6.52	46.610	+ 1 17.1	54.2			- 14 18 38.8	
21	η Serpentis	11	15 50.14	- 0.29	+ 11.58	41 46 7.55	44.344	+ 51.4	54.3	18 16 . . .			
22	ι Aquilæ	11	29 27.74	- 0.32	+ 11.58	47 8 7.65	48.252	+ 1 2.0	53.9	18 29 . . .			
23	α Lyrae	11	33 16.78	- 0.06	+ 11.66	0 10 5.28	44.029	+ 0.2	54.9	18 33 . . .			
24	σ Sagittarii	11	48 45.05	- 0.45	+ 11.54	65 14 7.20	46.830	+ 2 4.4	53.9	18 48 . . .			
25	ζ Aquilæ	11	0 31.58	- 0.20	+ 11.62	25 8 7.55	44.636	+ 27.1	54.2	19 0 . . .			
26	Moon I, S.	11	8 23.98	- 0.44	+ 11.62	63 45 53.25	43.927	+ 1 56.6	54.2	19 8 35.16	+73.86	- 24 56 12.7	
27	κ Aquilæ	11	31 12.85	- 0.32	+ 11.69	46 6 7.75	43.012	+ 1 0.0	54.0	19 31 . . .			
	October 31, S.												
28	Moon I, S.	11	9 3.79	- 0.45	+ 12.28	60 2 2.80	46.173	+ 1 39.9	53.6	20 9 15.62	+70.75	- 21 12 49.2	
29	γ Cygni	11	18 21.75	- 0.13	+ 12.30	358 56 4.75	42.341	- 1.0	53.7	20 18 . . .			
30	ϵ Delphini	11	28 8.52	- 0.27	+ 12.30	27 54 5.68	42.260	+ 30.6	53.7	20 28 . . .			
31	α Cygni	11	37 45.01	- 0.10	+ 12.30	353 56 5.35	45.185	- 6.0	53.5	20 37 . . .			
32	ν Cygni	8	53 10.14	- 0.13	+ 12.29	358 4 4.02	46.568	- 1.9	53.2	20 53 . . .			
33	δ Cygni	11	2 7.42	- 0.14	+ 12.28	0 36 4.50	45.240	+ 0.7	54.2	21 2 . . .			
34	ζ Cygni	11	8 23.85	- 0.19	+ 12.30	9 2 5.02	45.924	+ 9.2	53.6	21 8 . . .			
	November 2, B.												
35	ι H. Draconis S.P.	11	22 21.42	- 0.32	[+ 13.80]	300 40 4.85	42.414	- 1 34.6	[57.1]	9 22 . . .			
36	β Aquarii	11	25 58.92	- 0.42	+ 13.43	44 52 4.68	43.238	+ 56.1	56.2	21 26 . . .			
37	μ Capricorni	11	47 31.79	- 0.46	+ 13.53	52 52 5.30	44.715	+ 1 14.5	57.3	21 47 . . .			
38	Moon I, S.	11	56 15.28	- 0.45	+ 13.49	49 48 6.38	46.430	+ 1 6.8	56.9	21 56 28.32	+65.28	- 10 58 21.4	
39	θ Aquarii	11	11 14.86	- 0.43	+ 13.48	47 8 8.35	43.728	+ 1 0.9	57.4	22 11 . . .			
40	η Aquarii	11	29 54.64	- 0.40	+ 13.53	39 28 6.55	47.900	+ 46.6	56.8	22 30 . . .			
41	ϵ Aurigæ	11	50 9.44	- 0.31	+ 13.57	5 50 6.35	47.350	+ 5.9	56.8	4 50 . . .			
42	β Tauri	11	19 38.97	- 0.32	+ 13.52	10 20 6.72	43.915	+ 10.5	55.9	5 19 . . .			
43	Neptune C, C. . . .	11	25 56.02	- 0.34	+ 13.58	17 0 5.70	48.554	+ 17.6	56.7	5 26 9.26		+ 21 49 47.3	
44	α Orionis	11	49 27.05	- 0.38	+ 13.59	31 28 8.00	42.330	+ 35.1	57.2	5 49 . . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
16 6 37	29.878	68.2	67.9	2, 9, 26, 28, 38.	Bisections at II, III, IV, V, VI.	2	+13 7.3	+14 53.1		+28 0.4
17 5 23	30.194	44.8	40.8	5, 20, 27, 30, 44.	Bisections at VI, VII.	4	+ 0.1			+ 0.1
6 24	30.193	43.3	40.2	7, 17, 35.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	9	+15 28.3	+15 1.0		+30 29.3
7 17	30.204	42.3	38.8		Bisections at C ₂ , C ₃ , C ₄ .	13	+ 4.3			+ 4.3
7 43	30.212	41.5	38.4		Bisections at I, II.	19	+ 7.1	-16 9.6		-16 2.5
18 0 25	30.094	48.8	46.4		Bisections at II, VI, VII.	20	+ 7.1	+16 9.7		+16 16.8
1 28	30.080	48.0	45.6			26	+53 4.9	+16 11.3		+69 16.2
29 13 29	29.750	50.5	48.1			28	+50 33.4	+15 57.9		+66 31.3
14 3	29.748	51.5	49.2			38	+43 20.3	+15 32.2		+58 52.5
30 14 21	29.744	52.1	50.2			43	+ 0.1			+ 0.1
17 52	29.760	55.0	53.5							
18 45	29.774	54.5	53.2							
19 40	29.788	51.5	51.2							
20 21	29.975	56.4	55.2							
21 15	29.976	55.2	54.4							
2 21 20	29.380	58.0	56.2							
22 20	29.376	57.0	55.4							
22 34	29.378	57.0	55.4							
4 45	29.424	51.2	48.7							
5 45	29.446	51.2	49.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction
				Instrument.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	γ Geminorum . . . November 2, S.	11	31 37.07	- 0.35	+13.64	22 22 7.10	43.535	+ 23.7	56.9	6 31 . .	. .		. .
2	δ Crateris	11	14 0.72	- 0.24	+13.43	53 4 2.25	43.261	+ 1 16.4	56.1	11 14 . .	. .		. .
3	τ Leonis	11	22 27.86	- 0.20	+13.43	35 26 1.05	43.238	+ 40.9	56.1	11 22 . .	. .		. .
4	ν Leonis	11	31 29.81	- 0.21	+13.49	39 6 7.50	44.880	+ 46.7	56.2	11 31 . .	. .		. .
5	β Leonis	11	43 37.63	- 0.18	+13.53	23 42 7.50	45.660	+ 25.3	55.8	11 43 . .	. .		. .
6	ο Virginis	11	59 46.93	- 0.19	+13.50	29 32 6.72	47.058	+ 32.6	56.6	12 0 . .	. .		. .
7	Venus I, S.	6	3 12.07	- 0.22	+13.47	43 48 6.08	39.908	+ 55.0	56.4	13 3 25.32	+ 0.39	- 4 59 19.9	. .
8	Venus II, N.	5	3 12.92	- 0.22	+13.47	43 48 6.08	39.318	+ 55.0	56.4	13 3 26.17	- 0.46	- 4 59 8.5	. .
9	α Ursæ Minoris s. p. November 3, S.	8	22 12.42	+ 1.10	[+13.51]	307 38 3.80	46.548	- 1 13.9	[56.2]	1 22 . .	. .		. .
10	Sun I, S.	8	35 10.21	- 0.24	+13.47	54 24 1.60	47.900	+ 1 19.8	56.4	14 35 23.44	+67.17	- 15 34 57.2	. .
11	Sun II, N.	11	37 24.55	- 0.24	+13.47	53 52 7.28	46.515	+ 1 18.3	56.4	14 37 37.78	-67.17	- 15 2 36.8	. .
12	α Serpentis	11	39 0.34	- 0.20	+13.51	32 6 6.70	44.344	+ 35.9	56.6	15 39 . .	. .		. .
13	ε Serpentis	6	45 29.66	- 0.20	+13.44	34 4 7.20	43.299	+ 38.6	57.6	15 45 . .	. .		. .
14	α Scorpii	11	22 54.97	- 0.28	+13.42	65 2 5.92	43.660	+ 2 2.0	56.7	16 23 . .	. .		. .
15	ζ Ophiuchi	5	31 18.32	- 0.23	+13.52	49 12 6.82	44.090	+ 1 6.0	55.8	16 31 . .	. .		. .
16	ι Aquarii	11	11 14.58	- 0.15	+13.47	47 8 7.68	43.570	+ 1 2.5	55.3	22 11 . .	. .		. .
17	π Aquarii	11	19 51.47	- 0.14	+13.52	37 57 8.18	47.715	+ 45.3	54.5	22 20 . .	. .		. .
18	η Aquarii	11	29 54.41	- 0.14	+13.49	39 28 8.82	47.629	+ 47.9	55.2	22 30 . .	. .		. .
19	Moon I, S.	11	44 43.95	- 0.14	+13.52	44 2 1.60	45.478	+ 56.1	55.1	22 44 57.33	+63.60	- 5 11 49.4	. .
20	α Pegasi	11	59 28.22	- 0.13	+13.60	24 12 7.28	42.402	+ 26.1	55.5	22 59 . .	. .		. .
21	β Tauri	8	19 38.66	- 0.12	+13.66	10 20 7.55	43.738	+ 10.7	55.0	5 19 . .	. .		. .
22	Neptune C, C.	11	25 50.52	- 0.12	+13.66	17 0 6.55	48.771	+ 18.0	55.1	5 26 4.06	. .	+ 21 49 40.3	. .
23	α Orionis	11	49 26.75	- 0.13	+13.67	31 28 6.70	42.324	+ 35.9	55.0	5 49 . .	. .		. .
24	δ Ursæ Minoris s. p.	7	4 39.51	+ 1.06	[+13.67]	305 30 4.45	43.514	- 1 21.8	[55.3]	18 4 . .	. .		. .
25	μ Geminorum November 3, L.	11	16 35.17	- 0.12	+13.67	16 16 6.80	47.686	+ 17.2	55.2	6 16 . .	. .		. .
26	γ Corvi	11	10 19.18	- 0.39	+14.01	55 48 4.85	45.645	+ 1 25.4	55.6	12 10 . .	. .		. .
27	η Virginis	11	14 26.87	- 0.34	+14.08	38 56 4.92	46.132	+ 47.0	55.1	12 14 . .	. .		. .
28	α Canum Venat.	11	51 0.85	- 0.27	+14.00	0 0 4.78	42.229	+ 0.0	54.0	12 51 . .	. .		. .
29	Venus I, N.	6	7 48.15	- 0.35	+14.02	44 18 8.10	44.598	+ 56.4	55.1	13 8 1.82	+ 0.49	- 5 27 39.3	. .
30	Venus II, S.	5	7 49.22	- 0.35	+14.02	44 18 8.10	45.250	+ 56.4	55.1	13 8 2.89	- 0.58	- 5 27 51.8	. .
31	α Virginis	11	19 34.56	- 0.36	+14.00	49 28 7.88	44.066	+ 1 7.5	54.9	13 19 . .	. .		. .
32	α Ursæ Minoris s. p. November 4, L.	6	22 11.48	+ 1.24	[+14.00]	307 38 6.32	46.487	- 1 14.4	[56.9]	1 22 . .	. .		. .
33	Sun I, N.	11	39 7.24	- 0.38	+14.01	54 10 12.72	47.662	+ 1 19.4	55.1	14 39 20.87	+67.43	- 15 21 4.6	. .
34	Sun II, S.	11	41 22.09	- 0.38	+14.01	54 42 8.58	48.740	+ 1 21.0	55.1	14 41 35.72	-67.42	- 15 53 24.7	. .
35	α Coronæ Borealis	11	30 7.32	- 0.28	+14.02	11 48 9.20	43.214	+ 12.0	54.8	15 30 . .	. .		. .
36	α Serpentis	11	38 59.95	- 0.32	+14.02	32 6 6.70	44.266	+ 35.9	54.9	15 39 . .	. .		. .
37	δ Scorpii	11	54 3.42	- 0.41	+13.99	61 10 2.65	43.220	+ 1 43.5	55.3	15 54 . .	. .		. .
38	β Scorpii	10	59 15.69	- 0.40	+13.97	58 22 2.65	42.856	+ 1 32.5	56.1	15 59 . .	. .		. .
39	α Pegasi	11	59 28.15	- 0.19	+13.72	24 12 7.62	42.382	+ 26.2	55.5	22 59 . .	. .		. .
40	ι Piscium	11	22 35.14	- 0.21	+13.75	33 2 8.30	42.695	+ 37.8	56.0	23 22 . .	. .		. .
41	Moon I, S.	11	31 26.17	- 0.22	+13.75	38 12 38.05	43.370	+ 45.8	55.7	23 31 39.70	+62.75	+ 0 38 25.4	. .
42	ω Piscium	11	53 51.99	- 0.21	+13.81	32 32 7.72	46.491	+ 37.1	55.8	23 54 . .	. .		. .
43	γ Pegasi	11	7 46.46	- 0.19	+13.73	24 14 7.65	43.585	+ 26.2	55.5	0 8 . .	. .		. .
44	ε Ursæ Minoris s. p.	8	56 1.67	- 0.01	[+14.67]	301 6 6.72	42.518	- 1 36.7	[56.6]	16 56 . .	. .		. .
45	ι Orionis	11	58 32.24	- 0.19	+13.89	23 33 56.45	48.222	+ 25.7	54.9	4 58 . .	. .		. .
46	β Orionis	11	9 25.95	- 0.25	+13.88	47 10 7.65	42.112	+ 1 3.3	55.6	5 9 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
2	6	50	29.476	51.5	49.4	3, 11, 21, 34, 45.	Bisections at VI, VII.	7	+ 4.1	+ 5.8	. .	+ 9.9
	11	15	29.628	53.1	50.7	7, 8.	Z. D. thread A used.	8	+ 4.1	- 5.8	+ 0.2	- 1.5
	12	5	29.658	55.0	52.2	7, 30.	Bisections at II, VI.	10	+ 7.2	+16 10.2	. .	+16 17.4
3	14	37	29.716	57.5	55.2	8, 29.	Bisections at I, VII.	11	+ 7.2	-16 10.2	. .	-16 3.0
	15	43	29.735	57.8	56.0	9.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	19	+38 57.6	+15 21.1	. .	+54 18.7
	16	40	29.746	59.1	57.2	10, 33.	Bisections at I, II.	22	+ 0.1	. .	. .	+ 0.1
	22	16	29.866	52.2	51.2	15.	Bisection at VI.	29	+ 4.2	- 6.4	+ 0.3	- 1.9
	23	4	29.908	52.0	50.7	19.	Bisections at II, III, IV, V, VI.	30	+ 4.2	+ 6.4	. .	+ 10.6
	5	29	29.995	49.4	47.6	24.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	33	+ 7.2	-16 10.0	. .	-16 2.8
	6	17	29.994	48.6	47.0	32.	Bisections at C ₁ , C ₂ , C ₃ .	34	+ 7.3	+16 10.0	. .	+16 17.3
	12	5	30.096	54.0	53.2	41.	Bisections at C ₁ , C ₂ , C ₃ .	41	+34 17.0	+15 11.5	. .	+49 28.5
	13	30	30.102	59.5	57.5	44.	Bisections at D ₃ , D ₄ .					
4	14	41	30.086	61.0	60.0							
	15	35	30.066	62.3	61.2							
	16	0	30.062	63.5	61.4							
	23	0	30.010	54.8	52.3							
	0	5	30.000	51.8	51.8							
	4	50	29.968	50.0	46.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Tauri	11	19 38.46	- 0.17	+13.94	10 20 7.28	43.796	+ 10.8	54.6	5 19 .	.	.	.
2	Neptune C, C. . . .	11	25 45.13	- 0.18	+13.90	17 2 7.12	42.691	+ 18.0	55.0	5 25 58.85	.	+ 21 49 36.3	.
3	ϵ Orionis	11	30 50.00	- 0.23	+13.86	40 6 7.72	45.521	+ 49.5	54.7	5 31 .	.	.	.
November 4, Br.													
4	α Ursæ Minoris S. P.	5	22 11.84	+ 0.34	[+14.25]	307 38 2.98	46.654	- 1 15.0	[55.8]	1 22 .	.	.	.
5	α Bootis	11	10 45.58	- 0.20	+14.22	19 8 5.00	45.239	+ 20.0	55.8	14 10 .	.	.	.
November 5, Br.													
6	Sun I, N.	11	43 5.44	- 0.29	+14.24	54 28 7.88	48.468	+ 1 19.9	56.4	14 43 19.39	+67.37	- 15 39 14.4	.
7	Sun II, S.	9	45 20.17	- 0.29	+14.24	55 0 10.78	49.100	+ 1 21.5	56.4	14 45 34.12	+67.36	- 16 11 33.0	.
8	α Serpentis	11	38 59.54	- 0.23	+14.34	32 6 5.60	44.360	+ 35.7	56.7	15 39 .	.	.	.
9	δ Ophiuchi	11	8 45.05	- 0.25	+14.27	42 16 5.82	45.878	+ 51.6	56.9	16 8 .	.	.	.
10	β Herculis	7	25 34.99	- 0.20	+14.30	17 8 5.22	45.519	+ 17.5	55.8	16 25 .	.	.	.
11	α Ophiuchi	10	29 57.14	- 0.21	+14.28	26 12 5.80	47.036	+ 27.9	57.0	17 30 .	.	.	.
12	ω Piscium	11	53 51.59	- 0.24	+14.23	32 32 6.10	46.708	+ 36.4	57.7	23 54 .	.	.	.
13	α Andromedæ	11	2 53.98	- 0.24	+14.31	10 20 5.98	42.418	+ 10.4	57.1	0 3 .	.	.	.
14	Moon I, S.	11	17 31.97	- 0.24	+14.23	32 32 2.45	43.977	+ 36.3	57.2	0 17 45.96	+62.64	+ 6 19 0.4	.
15	ϵ Piscium	11	57 26.40	- 0.24	+14.19	31 30 5.68	45.030	+ 34.9	57.0	0 57 .	.	.	.
16	α Ursæ Minoris . . .	5	22 19.20	- 5.60	[+12.69]	310 6 5.00	45.997	- 1 7.3	[56.3]	1 22 .	.	.	.
17	α Piscium	11	39 47.98	- 0.24	+14.19	30 12 3.70	44.570	+ 33.2	57.1	1 40 .	.	.	.
18	γ Aurigæ	11	50 8.66	- 0.25	+14.37	5 50 5.15	47.408	+ 5.9	57.0	4 50 .	.	.	.
19	γ Orionis	11	58 31.85	- 0.24	+14.35	23 34 6.58	47.904	+ 25.0	56.8	4 58 .	.	.	.
20	β Tauri	11	19 38.07	- 0.24	+14.43	10 20 8.00	43.806	+ 10.5	55.2	5 19 .	.	.	.
21	Neptune C, C. . . .	11	25 39.31	- 0.24	+14.40	17 2 6.18	43.294	+ 17.6	56.3	5 25 53.47	.	+ 21 49 27.3	.
22	α Orionis	11	49 26.16	- 0.24	+14.42	31 28 6.20	42.460	+ 35.1	56.1	5 49 .	.	.	.
23	δ Ursæ Minoris S. P.	5	4 37.81	+ 1.93	[+13.86]	305 30 2.62	43.592	- 1 20.0	[57.2]	18 4 .	.	.	.
November 5, La.													
24	α Canum Venat. . . .	11	51 0.11	- 0.29	+14.80	359 58 5.65	48.580	+ 0.1	56.1	12 51 .	.	.	.
25	Venus I, S.	6	17 2.17	- 0.43	+14.83	45 14 7.25	47.780	+ 57.9	56.3	13 17 16.57	+ 0.36	- 6 24 39.8	.
26	Venus II, N.	5	17 2.96	- 0.43	+14.83	45 14 7.25	47.048	+ 57.8	56.3	13 17 17.36	- 0.43	- 6 24 25.7	.
27	α Ursæ Minoris S. P.	4	22 12.45	- 1.11	[+14.82]	307 38 4.42	46.540	- 1 14.0	[55.4]	1 22 .	.	.	.
28	η Bootis	11	49 34.24	- 0.34	+14.81	19 56 8.32	45.909	+ 20.8	56.1	13 49 .	.	.	.
29	α Bootis	11	10 45.08	- 0.34	+14.88	19 8 9.30	45.044	+ 19.9	55.9	14 10 .	.	.	.
November 6, La.													
30	Sun I, N.	11	47 4.23	- 0.47	+14.83	54 48 10.05	41.850	+ 1 21.1	56.3	14 47 18.59	+67.59	- 15 57 11.0	.
31	Sun II, S.	11	49 19.42	- 0.47	+14.83	55 20 9.28	42.748	+ 1 22.7	56.3	14 49 33.78	+67.60	- 16 29 31.0	.
32	α Corone Borealis . .	10	30 6.60	- 0.32	+14.79	11 48 5.65	43.492	+ 12.0	56.1	15 30 .	.	.	.
33	α Serpentis	11	38 59.16	- 0.38	+14.88	32 6 7.40	44.272	+ 35.9	55.8	15 39 .	.	.	.
34	δ Ophiuchi	11	8 44.65	- 0.41	+14.83	42 16 6.70	45.769	+ 51.9	57.4	16 8 .	.	.	.
35	β Herculis	11	25 34.59	- 0.34	+14.84	17 8 5.95	45.495	+ 17.7	56.6	16 25 .	.	.	.
36	ϵ Piscium	11	57 25.47	- 0.28	+15.16	31 30 8.42	44.645	+ 36.0	54.9	0 57 .	.	.	.
37	Moon I, S.	11	4 3.34	- 0.27	+15.05	27 12 8.38	48.055	+ 30.2	54.8	1 4 18.12	+63.19	+ 11 37 39.9	.
38	α Ursæ Minoris . . .	6	22 3.27	+ 5.91	[+16.85]	310 6 5.18	46.100	- 1 9.4	[56.6]	1 22 .	.	.	.
39	η Piscium	11	25 48.02	- 0.25	+15.19	24 2 1.20	43.234	+ 26.2	55.1	1 26 .	.	.	.
40	α Piscium	11	39 47.25	- 0.28	+14.97	30 12 8.20	44.142	+ 34.2	54.4	1 40 .	.	.	.
41	β Arietis	11	48 47.13	- 0.23	+14.91	18 32 7.02	45.254	+ 19.8	55.5	1 49 .	.	.	.
42	ϵ Tauri	11	22 26.43	- 0.23	+15.07	19 54 6.88	43.151	+ 21.4	54.4	4 22 .	.	.	.
43	α Tauri	11	29 50.92	- 0.24	+14.98	22 32 7.15	46.102	+ 24.6	54.7	4 30 .	.	.	.
44	ϵ Ursæ Minoris S. P.	11	56 1.88	- 1.12	[+15.35]	301 6 4.42	42.748	- 1 37.4	[58.6]	16 56 .	.	.	.
45	β Tauri	11	19 37.33	- 0.19	+15.14	10 20 7.85	43.752	+ 10.9	54.4	5 19 .	.	.	.
46	Neptune C, C. . . .	11	25 33.14	- 0.22	+15.08	17 2 8.80	43.240	+ 18.2	54.8	5 25 48.00	.	+ 21 49 23.6	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
4	5 30	29.942	48.5	45.6	4, 16, 44.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	2	+ 0.1	.	.	+ 0.1
13	32	29.902	53.0	51.4	6, 9, 30.	Bisections at I, II.	6	+ 7.2	-16 9.2	.	-16 2.0
14	16	29.882	58.0	56.7	7, 8, 31, 33, 36.	Bisections at VI, VII.	7	+ 7.3	+16 9.3	.	+16 16.6
15	45	29.865	59.2	58.6		Bisections at II, VI.	14	+ 29 31.5	+15 3.4	.	+44 34.9
16	56	29.838	62.0	61.1		Bisections at III, IV, V.	21	+ 0.1	.	.	+ 0.1
17	38	29.818	62.5	61.2		Bisections at I, VII.	25	+ 4.2	+ 7.2	.	+ 11.4
23	44	29.748	58.5	57.0		Bisections at C ₅ , C ₃ , C ₁ .	26	+ 4.2	- 7.2	+ 0.3	- 2.7
0	31	29.738	59.0	57.7		Bisections at C ₂ , C ₁ .	30	+ 7.3	-16 10.0	.	-16 2.7
1	48	29.720	58.5	57.2		Bisections at II, VI, VII.	31	+ 7.3	+16 10.0	.	+16 17.3
4	26	29.684	56.5	54.7		Bisections at II, III, IV, V, VI.	37	+ 24 54.5	+14 56.8	.	+39 51.3
5	6	29.676	55.5	53.9		Bisections at C ₂ , C ₃ .	46	+ 0.1	.	.	+ 0.1
5	38	29.684	55.0	53.3							
6	16	29.676	55.0	53.3							
12	51	29.806	57.4	55.1							
13	34	29.814	57.8	55.4							
14	11	29.824	57.8	56.0							
14	49	29.828	58.2	56.2							
15	44	29.820	58.6	57.2							
16	29	29.826	60.7	57.6							
0	51	29.924	47.2	45.9							
1	49	29.932	46.8	45.4							
4	22	29.944	41.8	43.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ε Orionis	11	30 48.87	-0.32	+15.13	40 6 9.40	45.432	+ 50.0	55.0	5 31 . .	. .		. .
	November 9, B.												
2	ζ Arietis	11	8 47.94	-0.16	+16.20	18 10 7.00	47.122	+ 19.1	54.3	3 9 . .	. .		. .
3	Moon II, N.	11	35 16.67	-0.15	+16.23	15 0 7.15	44.587	+ 15.6	54.4	3 35 32.75	-66.86	+ 23 51 1.8	. .
4	η Tauri	11	41 10.89	-0.15	+16.26	15 4 6.28	43.036	+ 15.7	54.7	3 41 . .	. .		. .
5	ζ Persei	11	47 28.88	-0.14	+16.28	7 16 5.30	45.246	+ 7.5	54.7	3 47 . .	. .		. .
6	ε Tauri	11	22 25.25	-0.16	+16.23	19 54 3.68	43.321	+ 21.1	54.2	4 22 . .	. .		. .
7	α Tauri	11	29 49.64	-0.17	+16.25	22 32 3.65	46.305	+ 24.2	54.7	4 30 . .	. .		. .
8	β Tauri	11	19 36.18	-0.15	+16.33	10 20 7.60	43.800	+ 10.7	55.0	5 19 . .	. .		. .
9	Neptune C, C. . . .	11	25 15.05	-0.16	+16.32	17 2 7.42	44.234	+ 17.9	54.4	5 25 31.21	. .	+ 21 49 5.9	. .
10	δ Ursæ Minoris S. P.	9	4 36.03	-0.04	[+16.32]	305 30 4.82	43.370	- 1 21.6	[54.2]	18 4 . .	. .		. .
11	μ Geminorum	11	16 32.69	-0.16	+16.36	16 16 6.68	47.619	+ 17.1	53.4	6 16 . .	. .		. .
	November 9, S.												
12	η Bootis	11	49 32.66	-0.10	+16.31	19 56 6.60	45.910	+ 21.1	53.7	13 49 . .	. .		. .
13	α Bootis	11	10 43.47	-0.09	+16.29	19 18 6.52	45.108	+ 20.2	53.7	14 10 . .	. .		. .
	November 10, S.												
14	Sun I, S.	11	3 7.86	-0.18	+16.30	56 28 5.42	45.602	+ 1 27.2	53.7	15 3 23.98	+68.08	- 17 38 26.9	. .
15	Sun II, N.	11	5 24.01	-0.18	+16.30	55 54 6.38	50.672	+ 1 25.5	53.7	15 5 40.13	-68.07	- 17 6 5.5	. .
16	ζ Aquilæ	11	0 26.65	-0.11	+16.32	25 8 6.58	44.721	+ 27.0	53.8	19 0 . .	. .		. .
17	γ Tauri	11	13 44.76	-0.06	+16.30	23 28 7.28	43.984	+ 25.6	53.2	4 14 . .	. .		. .
18	Moon II, N.	11	28 40.25	-0.05	+16.25	13 8 6.35	45.468	+ 13.8	53.3	4 28 56.45	-67.84	+ 25 42 46.4	. .
19	ι Orionis	6	58 30.06	-0.06	+16.08	23 34 4.82	47.880	+ 25.7	[56.9]	4 58 . .	. .		. .
20	ε Orionis	11	30 47.55	-0.09	+16.31	40 6 7.00	45.521	+ 49.6	53.3	5 31 . .	. .		. .
21	α Orionis	11	49 24.25	-0.08	+16.30	31 28 6.15	42.218	+ 36.0	53.3	5 49 . .	. .		. .
	November 11, L.												
22	ι Aurigæ	11	50 6.78	-0.01	+16.16	5 50 7.30	46.998	+ 6.0	51.8	4 50 . .	. .		. .
23	ε Ursæ Minoris S. P.	5	55 58.00	+ 1.43	[+16.16]	301 6 5.00	42.322	- 1 36.3	[53.8]	16 56 . .	. .		. .
24	ι Orionis	11	58 29.90	+ 0.04	+16.16	23 34 7.62	47.502	+ 25.6	52.0	4 58 . .	. .		. .
25	β Orionis	11	9 23.61	+ 0.07	+16.06	47 10 8.25	41.951	+ 1 4.5	53.2	5 9 . .	. .		. .
26	Moon II, N.	11	23 4.79	+ 0.01	+16.17	12 32 7.48	45.225	+ 13.1	52.1	5 23 20.97	-68.26	+ 26 18 49.5	. .
27	Neptune C, C. . . .	11	25 3.01	+ 0.02	+16.17	17 2 6.82	44.760	+ 18.0	52.1	5 25 19.20	. .	+ 21 48 54.1	. .
28	ε Orionis	11	30 47.45	+ 0.06	+16.28	40 6 6.98	45.445	+ 49.3	51.4	5 31 . .	. .		. .
	November 12, K.												
29	β Tauri	11	19 35.58	+ 0.06	+16.80	10 20 5.60	43.734	+ 10.9	51.9	5 19 . .	. .		. .
30	Neptune C, C. . . .	7	24 56.67	+ 0.05	+16.82	17 2 5.85	45.102	+ 18.3	52.5	5 25 13.54	. .	+ 21 48 47.1	. .
31	ε Orionis	11	30 46.98	-0.01	+16.84	40 6 5.58	45.558	+ 50.3	53.1	5 31 . .	. .		. .
32	α Orionis	11	49 23.64	+ 0.01	+16.87	31 28 5.65	42.248	+ 36.6	52.3	5 49 . .	. .		. .
33	ν Orionis	5	1 29.67	+ 0.03	+16.77	24 4 6.22	44.155	+ 26.7	52.5	6 1 . .	. .		. .
34	δ Ursæ Minoris S. P.	8	4 35.82	- 1.37	[+16.83]	305 30 7.08	43.235	- 1 23.4	[52.7]	18 4 . .	. .		. .
35	Moon II, S.	11	17 30.66	+ 0.05	+16.82	13 44 7.25	36.182	+ 14.7	52.5	6 17 47.53	-68.03	+ 25 6 26.7	. .
36	γ Geminorum	11	31 33.79	+ 0.03	+16.83	22 22 5.92	43.365	+ 24.7	52.9	6 31 . .	. .		. .
	November 12, Po.												
37	γ Corvi	11	10 16.42	+ 0.02	+16.59	55 48 3.15	45.512	+ 1 27.9	53.1	12 10 . .	. .		. .
38	α Ursæ Minoris S. P.	6	22 5.17	+ 2.76	[+16.66]	307 38 7.72	46.733	- 1 16.8	[56.2]	1 22 . .	. .		. .
39	Venus N.	. .		. .	. .	48 28 6.22	47.795	+ 1 7.1	53.9	13 49 . .	. .	- 9 38 50.6	. .
40	Venus S.	. .		. .	. .	48 28 6.22	48.390	+ 1 7.1	53.9		. .	- 9 39 2.0	. .
41	α Bootis	11	10 42.95	+ 0.03	+16.72	19 8 6.58	45.189	+ 20.6	54.9	14 10 . .	. .		. .
	November 13, Po.												
42	Sun I, S.	11	15 20.27	+ 0.01	+16.65	57 16 3.05	47.218	+ 1 31.7	53.9	15 15 36.93	+68.47	- 18 26 59.8	. .
43	Sun II, N.	9	17 37.22	+ 0.01	+16.65	56 44 7.98	45.855	+ 1 29.8	53.9	15 17 53.88	-68.48	- 17 54 38.8	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 5 30	29.952	43.6	41.4	3, 18, 35.	Bisections at II, III, IV, V, VI.	3	+13 51.4	-14 45.1	. .	- 0 53.7
9 3 5	29.570	48.4	45.9	10, 34.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	9	+ 0.1	. .	. .	+ 0.1
4 0	29.574	46.8	44.9	14, 42.	Bisections at I, II.	14	+ 7.4	+16 10.7	. .	+16 18.1
5 5	29.622	46.0	44.1	15, 21, 24, 30, 33, 43.	Bisections at VI, VII.	15	+ 7.4	-16 10.7	. .	-16 3.3
6 20	29.662	44.6	42.9	19.	Bisection at VII.	18	+12 8.4	-14 44.0	. .	- 2 35.6
13 53	29.770	50.5	48.1	23.	Bisections at D ₃ , D ₁ .	26	+11 35.8	-14 44.6	. .	- 3 8.8
15 5	29.740	51.3	49.7	26.	Bisections at III, IV, V.	27	+ 0.1	. .	. .	+ 0.1
19 6	29.718	54.0	52.2	27, 40.	Bisections at II, VI.	30	+ 0.1	. .	. .	+ 0.1
4 18	29.713	43.5	41.3	35.	Z. D. thread A used.	35	+12 44.5	+14 47.2	. .	+27 31.7
5 35	29.694	43.8	41.8	38.	Bisections at B ₃ , B ₂ , B ₁ .	39	+ 4.3	- 5.8	+ 0.2	- 1.3
11 4 45	29.500	43.0	41.1	39.	Bisections at I, VII.	40	+ 4.3	+ 5.8	. .	+ 10.1
5 20	29.514	42.0	40.3	37 to 43.	Change of temperature, etc., derived from the Met. Journal.	42	+ 7.5	+16 10.5	. .	+16 18.0
6 1	29.834	36.8	35.9			43	+ 7.5	-16 10.5	. .	-16 3.0
6 32	29.844	36.2	35.4							
13 15 18	29.908	44.9	43.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	μ Herculis	11	42 10.28	+ 0.03	+16.74	11 4 5.35	45.256	+ 11.5	53.4	17 42 . .	. .		. .
2	η Serpentis	11	15 44.65	+ 0.03	+16.63	41 46 8.10	44.272	+ 52.4	53.6	18 16 . .	. .		. .
3	ι Aquilæ	11	29 22.20	+ 0.02	+16.65	47 8 4.98	48.398	+ 1 3.3	54.6	18 29 . .	. .		. .
4	σ Sagittarii	11	48 39.46	0.00	+16.52	65 14 6.12	46.744	+ 2 6.7	53.9	18 48 . .	. .		. .
5	α Tauri	11	29 48.98	+ 0.09	+16.72	22 32 8.35	45.948	+ 25.0	53.3	4 30 . .	. .		. .
6	ϵ Aurigæ	11	50 6.10	+ 0.09	+16.78	5 50 7.48	47.069	+ 6.2	53.7	4 50 . .	. .		. .
7	ι Orionis	11	58 29.35	+ 0.09	+16.70	23 34 9.28	47.534	+ 26.3	53.5	4 58 . .	. .		. .
8	Neptune C, C.	10	24 50.64	+ 0.09	+16.73	17 2 9.62	45.264	+ 18.5	52.9	5 25 7.46	. .	+ 21 48 41.8	. .
9	δ Ursæ Minoris S. P.	11	4 33.91	+ 0.32	[+16.71]	305 30 6.80	43.432	+ 1 24.1	[55.8]	18 4 . .	. .		. .
10	Moon II, S.	11	11 3.07	+ 0.09	+16.70	15 44 7.30	42.020	+ 17.0	52.9	7 11 19.86	-67.29	+ 23 7 48.0	. .
11	η Cancri	11	26 32.88	+ 0.09	+16.69	18 4 9.15	43.471	+ 19.7	52.9	8 26 . .	. .		. .
12	ϵ Leonis	11	39 47.48	+ 0.09	+16.77	14 36 8.25	45.735	+ 15.8	50.8	9 40 . .	. .		. .
13	μ Leonis	11	46 41.60	+ 0.09	+16.67	12 22 7.05	44.181	+ 13.3	53.0	9 46 . .	. .		. .
14	α Leonis	11	2 40.14	+ 0.09	+16.58	26 22 8.10	47.086	+ 30.0	53.0	10 2 . .	. .		. .
November 14, K.													
15	α Ursæ Minoris S. P.	5	22 6.24	+ 0.66	[+16.85]	307 38 12.48	46.238	+ 1 16.3	[52.4]	1 22 . .	. .		. .
16	η Bootis	7	49 32.14	- 0.03	+16.85	19 56 5.55	45.835	+ 21.4	51.6	13 49 . .	. .		. .
17	Venus I, S.	6	59 9.88	- 0.06	+16.87	49 22 4.80	37.728	+ 1 8.6	52.7	13 59 26.69	+ 0.38	- 10 32 54.0	. .
18	Venus II, N.	5	59 10.70	- 0.06	+16.87	49 22 4.80	37.110	+ 1 8.6	52.7	13 59 27.51	- 0.44	- 10 32 42.2	. .
19	α Bootis	11	10 42.90	- 0.03	+16.87	19 8 5.90	45.148	+ 20.4	52.7	14 10 . .	. .		. .
20	ρ Bootis	11	27 8.27	- 0.02	+16.87	8 2 7.08	44.738	+ 8.3	53.1	14 27 . .	. .		. .
21	ϵ Bootis	11	40 14.15	- 0.02	+16.88	11 20 3.95	47.501	+ 11.8	53.5	14 40 . .	. .		. .
November 15, I.a.													
22	α Canum Venat.	11	50 57.93	- 0.19	+17.12	359 58 3.18	48.778	+ 0.1	54.4	12 51 . .	. .		. .
23	α Virginis	11	19 31.63	- 0.26	+17.07	49 28 5.22	44.272	+ 1 6.6	54.1	13 19 . .	. .		. .
24	α Ursæ Minoris S. P.	6	22 4.97	+ 1.17	[+17.11]	307 38 7.22	46.423	+ 1 13.5	[53.1]	1 22 . .	. .		. .
25	η Bootis	11	49 32.09	- 0.21	+17.10	19 56 5.18	46.155	+ 20.6	55.0	13 49 . .	. .		. .
26	Venus I, S.	5	3 55.14	- 0.26	+17.09	49 50 5.60	43.592	+ 1 6.9	55.2	14 4 11.97	+ 0.32	- 10 59 27.9	. .
27	Venus II, N.	6	3 55.82	- 0.26	+17.09	49 50 5.60	43.085	+ 1 6.8	55.2	14 4 12.65	- 0.36	- 10 59 18.0	. .
28	α Bootis	11	10 42.88	- 0.21	+17.08	19 18 6.68	45.332	+ 19.6	55.9	14 10 . .	. .		. .
November 16, I.a.													
29	Sun I.	11	27 40.90	- 0.28	+17.08	57 46 . .	. .	. .	. .	15 27 57.70	+68.68		. .
30	Sun II.	11	29 58.25	- 0.28	+17.08		. .	. .	. .	15 30 15.05	-68.67		. .
31	α Scorpii	11	22 51.38	- 0.30	+17.07	65 2 4.80	43.844	+ 1 59.0	56.7	16 23 . .	. .		. .
32	ζ Ophiuchi	11	31 14.75	- 0.26	+17.14	49 12 5.20	44.340	+ 1 4.3	57.0	16 31 . .	. .		. .
33	κ Ophiuchi	11	52 32.73	- 0.22	+17.03	29 18 2.92	47.281	+ 31.2	56.9	16 52 . .	. .		. .
34	α^1 Herculis	11	9 42.06	- 0.22	+17.07	24 20 2.45	46.408	+ 25.1	57.4	17 9 . .	. .		. .
35	12 Year Cat. 1879 S.P.	11	51 52.92	- 0.48	[+18.26]	299 3 59.92	43.957	+ 1 47.7	[60.1]	20 52 . .	. .		. .
36	α Hydræ	11	22 18.11	- 0.23	+17.21	47 4 5.95	41.690	+ 1 4.8	53.8	9 22 . .	. .		. .
37	Moon II, S.	11	42 57.90	- 0.17	+17.27	28 2 7.72	43.416	+ 32.2	54.8	9 43 15.00	-64.80	+ 10 49 7.6	. .
38	μ Leonis	11	46 41.34	- 0.13	+17.25	12 21 57.60	44.798	+ 13.3	54.8	9 46 . .	. .		. .
39	α Leonis	11	2 39.79	- 0.17	+17.29	26 22 7.35	47.285	+ 30.0	55.5	10 2 . .	. .		. .
40	γ^1 Leonis	11	14 4.26	- 0.15	+17.32	18 30 7.18	43.216	+ 20.2	54.9	10 14 . .	. .		. .
November 16, S.													
41	γ Corvi	11	10 16.15	- 0.14	+17.13	55 48 4.40	45.606	+ 1 28.5	56.3	12 10 . .	. .		. .
November 17, S.													
42	Sun I, N.	11	31 49.18	- 0.15	+17.20	57 44 7.22	46.710	+ 1 34.7	55.6	15 32 6.23	+68.85	- 18 54 55.5	. .
43	Sun II, S.	11	34 6.89	- 0.15	+17.20	58 16 5.98	47.935	+ 1 36.6	55.6	15 34 23.94	-68.86	- 19 27 21.8	. .
44	Mercury C, C.	11	54 49.29	- 0.16	+17.21	60 12 2.60	43.139	+ 1 44.2	55.6	15 55 6.34	0.00	- 21 21 53.0	. .
45	κ Ophiuchi	11	52 32.36	- 0.04	+17.22	29 18 5.90	46.921	+ 33.6	55.3	16 52 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.						No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°							/ "	/ "	/ "	/ "
13 18 56	29.900	47.0	46.3	3.	Bisections at I, II, VII.					8	+ 0.1	. .	+ 0.1
4 38	30.000	36.5	35.0	9, 15.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .					10	+14 37.5	+14 52.0	+29 29.5
5 34	30.010	35.9	34.4	10.	Bisections at III, IV, V.					17	+ 4.4	+ 6.0	+ 10.4
7 24	30.000	34.6	33.4	16, 32, 43.	Bisections at VI, VII.					18	+ 4.4	+ 6.0	+ 1.4
10 3	30.016	34.5	33.3	17, 18.	Z. D. thread A used.					26	+ 4.4	+ 5.0	+ 9.4
13 26	29.966	44.3	43.1	17, 27.	Bisections at I, VII.					27	+ 4.4	+ 5.0	+ 0.5
13 59	29.974	46.7	45.2	18, 26.	Bisections at II, VI.					37	+26 18.2	+15 21.2	+41 39.4
14 27	29.974	48.6	47.0	24.	Bisections at C ₅ , C ₂ , C ₁ .					42	+ 7.6	+16 13.1	+ 5.5
14 40	29.972	48.6	47.1	35.	Bisections at C ₅ , C ₃ , C ₁ .					43	+ 7.6	+16 13.2	+16 20.8
15 51	29.876	58.4	57.5	37.	Bisections at II, III, IV, V, VI.					44	+ 5.3	. .	+ 5.3
13 30	29.874	61.2	60.3	42.	Bisections at I, II.								
14 11	29.762	63.8	63.1										
15 30	29.820	66.2	68.7										
16 35	29.794	69.4	71.2										
17 13	29.792	71.2	72.8										
8 55	30.150	39.2	36.2										
9 43	30.146	38.0	36.2										
10 10	30.154	38.0	36.4										
10 54			36.0										
12 23	30.212	41.0	38.4										
17 15	30.200	43.0	41.1										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s "	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^1 Hercules	11	9 41.70	- 0.02	+17.23	24 20 10.60	45.770	+ 27.1	55 1	17 9 . .	.	.	.
2	α Ophiuchi	11	29 53.91	- 0.03	+17.27	26 12 3.95	47.076	+ 29.5	55.9	17 30 . .	.	.	.
3	δ Ursæ Minoris	5	4 30.36	+ 2.25	[+17.25]	312 16 . .	.	.	.	18 4 . .	.	.	.
4	Π Orionis	11	58 28.91	+ 0.18	+17.13	23 34 7.82	47.632	+ 26.6	54.0	4 58 . .	.	.	.
5	β Orionis	11	9 22.58	+ 0.13	+17.14	47 10 6.70	42.026	+ 1 5.6	53.2	5 9 . .	.	.	.
6	Hebe	11	15 4.71	+ 0.14	+17.14	41 22 7.12	43.605	+ 53.7	53.6	5 15 21.99	.	- 2 34 33.3	.
7	Neptune C, C.	11	24 25.02	+ 0.19	+17.14	17 2 7.12	46.746	+ 18.7	53.6	5 24 42.35	.	+ 21 48 16.4	.
8	ϵ Orionis	11	30 46.66	+ 0.15	+17.11	40 6 7.30	45.504	+ 51.3	54.0	5 31 . .	.	.	.
9	α Orionis	11	49 23.30	+ 0.16	+17.18	31 28 7.28	42.189	+ 37.3	53.0	5 49 . .	.	.	.
10	δ Ursæ Minoris S. P. . .	8	4 33.41	- 0.83	[+17.14]	305 30 4.88	43.490	- 1 25.0	[55.1]	18 4 . .	.	.	.
11	ϵ Leonis	11	39 47.08	+ 0.19	+17.21	14 36 7.42	45.945	+ 16.0	53.5	9 40 . .	.	.	.
12	μ Leonis	11	46 41.16	+ 0.20	+17.14	12 22 7.40	44.230	+ 13.5	53.7	9 46 . .	.	.	.
13	α^1 Leonis	11	2 39.56	+ 0.17	+17.21	26 22 7.70	47.160	+ 30.4	53.6	10 2 . .	.	.	.
14	γ^1 Leonis	11	14 3.95	+ 0.18	+17.33	18 30 7.58	42.940	+ 20.5	51.6	10 14 . .	.	.	.
15	Moon II, S.	11	31 53.72	+ 0.16	+17.25	33 42 7.52	45.959	+ 40.9	53.1	10 32 11.13	-64.84	+ 5 8 8.6	.
16	l Leonis	11	43 36.55	+ 0.17	+17.33	27 46 8.12	43.426	+ 32.3	53.0	10 43 . .	.	.	.
November 17, L.													
17	α Canum Venat.	11	50 57.59	+ 0.13	+17.20	0 0 5.45	42.342	+ 0.1	52.6	12 51 . .	.	.	.
18	α Virginis	11	19 31.35	+ 0.07	+17.07	49 28 7.08	43.980	+ 1 10.9	53.1	13 19 . .	.	.	.
19	α Ursæ Minoris S. P. . .	7	22 5.81	- 0.74	[+17.13]	307 38 5.18	46.912	- 1 18.2	[55.3]	1 22 . .	.	.	.
20	η Bootis	11	49 31.68	+ 0.11	+17.22	19 56 5.80	45.980	+ 22.0	53.1	13 49 . .	.	.	.
21	α Bootis	11	10 42.57	+ 0.11	+17.11	19 8 6.72	45.129	+ 21.0	53.0	14 10 . .	.	.	.
22	Venus I, C.	6	13 28.10	+ 0.07	+17.15	50 42 6.40	44.251	+ 1 13.7	53.2	14 13 45.32	+ 0.38	- 11 51 50.1	.
23	Venus II	5	13 28.92	+ 0.07	+17.15	.	.	.	.	14 13 46.14	- 0.44	.	.
November 18, L.													
24	Sun I, S.	11	35 58.54	+ 0.05	+17.14	58 30 1.68	48.900	+ 1 38.0	53.2	15 36 15.73	+69.07	- 19 41 37.7	.
25	Sun II, N.	11	38 16.69	+ 0.05	+17.14	57 57 57.92	47.620	+ 1 35.9	53.2	15 38 33.88	-69.08	- 19 9 9.4	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "		' "
17 16 58	30.176	44.0	41.2	6.	Z. D. thread A used.	6	+ 5.0	. . .	.	+ 5.0
18 18	30.160	44.2	41.8	10.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	7	+ 0.1	. . .	.	+ 0.1
4 48	30.216	35.1	33.3	14, 25, 27, 45.	Bisections at VI, VII.	15	+31 34.7	+15 35.6	+	+47 10.3
6 10	30.227	34.6	32.5	15, 41.	Bisections at II, III, IV, V, VI.	22	+ 4.4	. . .	+	+ 4.5
9 34	30.240	32.5	31.1	18, 24.	Bisections at I, II.	24	+ 7.6	+16 14.1	.	+16 21.7
10 38	30.267	32.8	30.7	19.	Bisections at C ₄ , C ₃ , C ₂ .	25	+ 7.6	-16 14.2	.	-16 6.6
12 55	30.294	36.1	34.4	28.	Bisections at I, II, VII.	26	+ 5.4	. . .	0.0	+ 5.4
13 30	30.300	35.7	35.7	33.	Bisections at I, VI, VII.	36	+ 0.1	. . .	.	+ 0.1
14 7	30.300	39.9	38.2	44.	Bisections at D ₃ , D ₁ .	41	+37 5.7	+15 51.5	.	+52 57.2
15 35	30.254	42.2	39.8							
16 2	30.248	42.1	40.1							
17 12	30.232	42.9	41.0							
18 44	30.216	42.8	41.3							
5 4	30.112	35.0	34.0							
5 28	30.112	36.1	33.6							
10 46	30.024	34.6	32.5							
11 30	30.026	34.6	32.8							
13 9	30.018	30.2	37.9							
13 50	30.012	42.2	40.5							
				34.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus I, N.	5	18 16.22	- 0.10	+17.33	51 8 6.38	33.260	+ 1 13.6	54.8	14 18 33.45	+ 0.38	- 12 17 32.8	.
2	Venus II, S. November 19, K.	6	18 17.02	- 0.10	+17.33	51 8 6.38	33.862	+ 1 13.6	54.8	14 18 34.25	- 0.42	- 12 17 44.4	.
3	Sun I, N.	11	40 8.71	- 0.12	+17.30	58 11 59.32	47 368	+ 1 34.7	54.8	15 40 25.89	+69.19	- 19 23 1.0	.
4	Sun II, S.	11	42 27.10	- 0.12	+17.30	58 44 2.15	48.320	+ 1 36.7	54.8	15 42 44.28	-69.20	- 19 55 26.3	.
5	Mercury C.	11	7 49.97	- 0.12	+17.28	61 0 . . .	.	.	.	16 8 7.13	0.00	.	.
6	β Hercules	8	25 31.88	- 0.06	+17.27	17 8 7.52	45.362	+ 18.1	54.0	16 25 . . .	.	.	.
7	α Ophiuchi	11	29 53.95	- 0.06	+17.26	26 12 8.10	46.907	+ 28.7	55.1	17 30 . . .	.	.	.
8	ε Ursæ Minoris s. p.	11	55 57.24	+ 0.64	[+17.02]	301 6 5.58	42.280	- 1 37.4	[54.7]	16 56 . . .	.	.	.
9	11 Orionis	11	58 29.27	- 0.03	+17.02	23 34 8.38	47.625	+ 25.9	54.2	4 58 . . .	.	.	.
10	β Orionis	11	9 22.94	- 0.02	+16.97	47 10 6.08	42.272	+ 1 3.8	55.2	5 9 . . .	.	.	.
11	Hebe	11	13 24.65	- 0.02	+17.03	41 28 4.58	46.051	+ 52.3	54.1	5 13 41.66	.	- 2 38 0.6	.
12	β Tauri	11	19 35.61	- 0.03	+17.03	10 20 6.75	43.638	+ 10.8	52.7	5 19 . . .	.	.	.
13	Neptune C, C. . . .	11	24 12.37	- 0.03	+17.02	17 2 5.12	47.544	+ 18.2	54.1	5 24 29.36	.	+ 21 48 4.1	.
14	ε Orionis November 19, Br.	11	30 46.91	- 0.02	+17.08	40 6 7.55	45.600	+ 49.9	54.4	5 31 . . .	.	.	.
15	o Virginis	11	59 43.72	+ 0.02	+16.95	29 32 7.12	47.039	+ 33.6	54.1	12 0 . . .	.	.	.
16	Moon II	11	13 0.93	+ 0.02	+16.91	45 56 . . .	.	.	.	12 13 17.86	-67.31	.	.
17	β Corvi	11	28 44.30	+ 0.01	+16.87	61 40 6.88	42.475	+ 1 49.4	54.3	12 29 . . .	.	.	.
18	α Virginis	11	19 31.67	+ 0.02	+16.85	49 28 1.85	44.348	+ 1 8.7	53.9	13 19 . . .	.	.	.
19	α Ursæ Minoris s. p.	5	22 2.26	+ 2.07	[+16.90]	307 38 3.65	47.043	- 1 15.9	[57.6]	1 22 . . .	.	.	.
20	η Bootis	11	49 32.10	+ 0.03	+16.92	19 56 7.62	45.988	+ 21.3	53.9	13 49 . . .	.	.	.
21	Venus I, C.	5	23 5.72	+ 0.02	+16.88	51 32 5.40	48.560	+ 1 13.3	54.7	14 23 22.62	+ 0.29	- 12 43 9.8	.
22	Venus II November 20, Br.	6	23 6.34	+ 0.02	+16.88	.	.	.	.	14 23 23.24	- 0.33	.	.
23	Sun I, S.	11	44 20.34	+ 0.01	+16.86	58 58 4.88	46.815	+ 1 35.5	55.3	15 44 37.21	+69.23	- 20 8 56.3	.
24	Sun II, N.	11	46 38.81	+ 0.01	+16.86	58 26 6.20	45.482	+ 1 33.5	55.3	15 46 55.68	-69.24	- 19 36 32.2	.
25	Mercury C, C. . . .	11	14 22.89	+ 0.01	+16.85	61 22 5.82	45.996	+ 1 44.8	55.6	16 14 39.75	0.00	- 22 32 51.6	.
26	β Hercules	11	25 32.22	+ 0.03	+16.85	17 8 5.82	45.609	+ 17.7	55.0	16 25 . . .	.	.	.
27	α Ophiuchi	11	29 54.31	+ 0.02	+16.82	26 12 6.82	47.028	+ 28.1	55.9	17 30 . . .	.	.	.
28	μ Hercules	11	42 10.08	+ 0.03	+16.89	11 4 4.72	45.540	+ 11.2	56.4	17 42 . . .	.	.	.
29	η Serpentis	11	15 44.50	+ 0.02	+16.76	41 46 5.22	44.726	+ 50.7	57.2	18 16 . . .	.	.	.
30	ε Ursæ Minoris s. p.	9	55 57.44	+ 0.53	[+16.85]	301 6 4.40	42.310	- 1 36.0	[56.0]	16 56 . . .	.	.	.
31	β Orionis	11	9 23.23	- 0.18	+16.86	47 10 . . .	.	.	.	5 9 . . .	.	.	.
32	Hebe	11	12 32.92	- 0.18	+16.84	41 30 5.30	43.850	+ 51.6	55.4	5 12 49.58	.	- 2 30 17.1	.
33	Neptune C, C. . . .	11	24 6.24	- 0.17	+16.84	17 2 2.70	48.145	+ 18.0	55.4	5 24 22.91	.	+ 21 47 56.5	.
34	ε Orionis	11	30 47.32	- 0.18	+16.84	40 6 2.60	45.960	+ 49.2	55.5	5 31 . . .	.	.	.
35	α Orionis	11	49 23.99	- 0.17	+16.89	31 28 0.05	42.770	+ 35.8	55.1	5 49 . . .	.	.	.
36	ν Orionis November 20, S.	11	1 30.06	- 0.17	+16.78	24 4 7.78	44.379	+ 26.1	55.7	6 1 . . .	.	.	.
37	l Leonis	11	43 37.25	- 0.09	+16.98	27 46 7.90	43.580	+ 31.1	53.8	10 43 . . .	.	.	.
38	δ Leonis	11	8 24.38	- 0.09	+17.04	17 46 7.05	44.881	+ 18.9	53.5	11 8 . . .	.	.	.
39	δ Crateris	11	13 57.60	- 0.10	+16.95	53 14 5.60	42.991	+ 1 18.4	54.0	11 14 . . .	.	.	.
40	Moon II	11	7 49.82	- 0.10	+16.99	52 10 . . .	.	.	.	13 8 6.71	-69.80	.	.
41	α Virginis	11	19 31.65	- 0.10	+17.02	49 28 6.12	41.259	+ 1 8.3	56.0	13 19 . . .	.	.	.
42	α Ursæ Minoris s. p. November 22, B.	6	22 1.03	+ 2.81	[+16.96]	307 38 4.00	47.012	- 1 15.4	[57.6]	1 22 . . .	.	.	.
43	α Virginis	10	19 31.83	- 0.06	+16.85	49 28 3.18	44.404	+ 1 9.2	56.4	13 19 . . .	.	.	.
44	α Ursæ Minoris s. p.	4	22 4.12	- 0.94	[+16.85]	307 38 6.88	46.925	- 1 16.4	[55.8]	1 22 . . .	.	.	.
45	Venus I, C.	5	37 39.70	- 0.07	+16.87	52 48 5.22	44.306	+ 1 18.1	56.1	14 37 56.50	+ 0.50	- 13 57 51.5	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
18	14 17	30.008	43.5	42.0	I.	Bisections at I, VII.	1	+	4.4	- 5.9	+ 1.3
19	15 42	29.962	46.8	45.8	1, 2.	Z. D. thread A used.	2	+	4.4	+ 5.9	+ 10.3
16	19 19	29.940	48.2	47.2	2, 17, 27.	Bisections at I, VI.	3	+	7.6	-16 12.6	-16 5.0
17	30	29.920	50.2	49.1	3, 23.	Bisections at I, II.	4	+	7.6	+16 12.7	+16 20.3
4	51	29.828	42.5	40.6	4, 6, 12, 24.	Bisections at VI, VII.	11	+	5.0	.	+ 5.0
5	31	29.828	41.5	40.4	7.	Bisections at I, II, VI.	13	+	0.1	.	+ 0.1
11	50	29.878	41.5	40.6	8.	Bisections at C ₅ , C ₇ .	21	+	4.4	+ 0.1	+ 4.5
12	35	29.884	43.5	41.4	9.	Bisections at II, VI, VII.	23	+	7.7	+16 12.0	+16 19.7
13	34	29.904	47.5	45.3	19, 42.	Bisections at D ₃ , D ₂ , D ₁ .	24	+	7.6	-16 12.0	-16 4.4
14	17	29.910	50.5	49.0	30.	Bisections at C ₅ , C ₃ , C ₁ .	25	+	5.4	.	+ 5.4
15	47	29.898	55.0	55.4	44.	Bisections at C ₁ , B ₃ , B ₂ .	32	+	5.0	.	+ 5.0
16	33	29.882	58.5	58.2			33	+	0.1	.	+ 0.1
17	49	29.874	62.5	61.3			45	+	4.5	+ 0.1	+ 4.6
18	21	29.872	62.5	61.7							
5	4	29.812	48.5	47.3							
6	8	29.800	47.0	45.8							
10	50	29.774	42.8	41.2							
11	42	29.764	42.1	40.3							
12	49	29.751	45.8	42.7							
13	33	29.752	48.5	45.8							
22	13 30	29.786	42.4	39.4							
14	30	29.808	42.0	38.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus II.	6	37 40.76	- 0.07	+16.87					14 37 57.56	- 0.56		
2	β Libræ	11	11 13.47	- 0.05	+16.82	47 50 7.22	46.560	+ 1 5.6	56.0	15 11 . . .			
3	α Coronæ Borealis	11	30 4.25	+ 0.01	+16.92	11 48 6.78	43.636	+ 12.5	55.8	15 30 . . .			
4	α Serpentis	7	38 56.92	- 0.02	+16.89	32 6 . . .				15 39 . . .			
November 23, B.													
5	Π Orionis	11	58 29.38	+ 0.06	+16.89	23 34 3.45	47.922	+ 26.8	55.8	4 58 . . .			
6	Hebe	11	9 49.16	+ 0.03	+16.86	41 32 7.48	43.432	+ 54.2	54.8	5 10 6.05		- 2 41 14.5	
7	β Tauri	11	19 35.74	+ 0.08	+16.88	10 20 7.52	43.706	+ 11.2	54.0	5 19 . . .			
8	Neptune C, C.	11	23 45.95	+ 0.07	+16.86	17 4 3.75	42.759	+ 18.8	54.8	5 24 2.88		+ 21 47 37.3	
9	ϵ Orionis	11	30 47.22	+ 0.03	+16.79	40 6 4.95	45.701	+ 51.6	54.8	5 31 . . .			
10	δ Ursæ Minoris S. P.	10	4 31.94	- 0.64	[+16.84]	305 30 5.50	43.403	- 1 25.5	[55.1]	18 4 . . .			
11	μ Geminorum	11	16 32.36	+ 0.07	+16.86	16 16 7.75	47.598	+ 18.0	54.5	6 16 . . .			
November 23, S.													
12	α Virginis	11	19 31.83	+ 0.14	+16.68	49 28 6.95	43.955	+ 1 11.9	54.2	13 19 . . .			
13	α Ursæ Minoris S. P.	6	22 3.92	- 7.53	[+23.25]	307 38 4.78	47.140	- 1 19.3	[55.9]	1 22 . . .			
14	η Bootis	11	49 32.21	+ 0.20	+16.73	19 56 6.52	46.062	+ 22.3	54.2	13 49 . . .			
15	α Bootis	11	10 43.03	+ 0.20	+16.66	19 8 6.45	45.250	+ 21.3	52.7	14 10 . . .			
16	Venus I, S.	5	42 33.30	+ 0.14	+16.66	53 10 6.22	41.195	+ 1 21.6	54.0	14 42 50.10	+ 0.36	- 14 22 13.6	
17	Venus II, N.	5	42 34.07	+ 0.14	+16.66	53 10 6.22	40.580	+ 1 21.6	54.0	14 42 50.86	- 0.40	- 14 22 1.7	
November 24, S.													
18	Sun I, N.	11	1 13.37	+ 0.12	+16.63	59 16 7.32	46.415	+ 1 42.1	54.0	16 1 30.12	+69.68	- 20 26 58.9	
19	Sun II, S.	11	3 32.74	+ 0.12	+16.63	59 48 7.12	47.458	+ 1 44.3	54.0	16 3 49.49	-69.69	- 20 59 23.2	
20	Mercury C, C.	11	40 47.15	+ 0.12	+16.61	62 40 6.25	47.528	+ 1 57.2	54.0	16 41 3.88	+ 0.01	- 23 51 35.4	
21	α Ophiuchi	11	29 54.38	+ 0.19	+16.58	26 12 6.68	46.942	+ 29.9	55.1	17 30 . . .			
22	η Serpentis	10	15 44.64	+ 0.16	+16.47	41 46 6.25	44.352	+ 54.0	54.0	18 16 . . .			
23	ζ Aquilæ	11	0 25.94	+ 0.19	+16.59	25 8 7.58	44.688	+ 28.4	53.8	19 0 . . .			
24	ζ Aquilæ	11	20 4.16	+ 0.17	+16.58	35 56 6.82	44.129	+ 43.8	54.3	19 20 . . .			
25	ι Aurigæ	11	50 6.76	+ 0.12	+16.33	5 50 5.92	47.110	+ 6.3	53.8	4 50 . . .			
26	β Tauri	11	19 36.07	+ 0.11	+16.54	10 20 6.20	43.708	+ 11.2	52.7	5 19 . . .			
27	Neptune C, C.	11	23 39.35	+ 0.10	+16.46	17 4 6.72	42.785	+ 18.8	53.2	5 23 55.91		+ 21 47 32.3	
28	ϵ Orion's	11	30 47.51	+ 0.08	+16.47	40 6 7.40	45.488	+ 51.4	52.8	5 31 . . .			
29	α Orionis	10	49 24.26	+ 0.09	+16.44	31 28 6.68	42.318	+ 37.3	53.7	5 49 . . .			
30	δ Ursæ Minoris S. P.	7	4 32.12	- 0.74	[+16.46]	305 30 4.40	43.333	- 1 25.0	[53.1]	18 4 . . .			
31	μ Geminorum	11	16 32.72	+ 0.10	+16.50	16 16 6.52	47.610	+ 17.8	53.2	6 16 . . .			
November 26, Po.													
32	α Canum Venat.	11	51 0.15	+ 0.07	+14.96	359 58 4.22	48.916	+ 0.1	54.6	12 51 . . .			
33	α Ursæ Minoris S. P.	11	21 59.55	+ 3.68	[+14.99]	307 38 4.85	47.108	- 1 15.9	[58.0]	1 22 . . .			
34	ϵ Bootis	11	40 16.14	+ 0.09	+14.96	11 20 4.20	47.859	+ 11.9	57.3	14 40 . . .			
35	Venus I, S.	6	57 22.35	+ 0.11	+14.94	54 22 5.58	46.842	+ 1 22.1	56.7	14 57 37.40	+ 0.40	- 15 32 43.9	
36	Venus II, N.	5	57 23.20	+ 0.11	+14.94	54 22 5.58	46.238	+ 1 22.1	56.7	14 57 38.25	- 0.45	- 15 32 32.2	
November 27, Po.													
37	Sun I	11	14 2.71	+ 0.11	+14.93	60 6 . . .				16 14 17.75	+69.99		
38	Sun II, N.	11	16 22.68	+ 0.11	+14.93	59 49 55.20	46.392	+ 1 41.5	56.7	16 16 37.72	-69.98	- 21 0 45.3	
39	Mercury C, C.	11	0 49.81	+ 0.11	+14.92	63 26 5.22	48.702	+ 1 57.9	56.7	17 1 4.84	+ 0.01	- 24 37 54.9	
40	α Ophiuchi	11	29 56.06	+ 0.10	+14.99	26 12 5.92	47.162	+ 29.1	57.3	17 30 . . .			
41	α Lyræ	11	33 12.88	+ 0.07	+15.00	0 10 2.42	44.549	+ 0.2	56.7	18 33 . . .			
42	ζ Aquilæ	8	0 27.71	+ 0.10	+14.90	25 8 5.22	45.064	+ 27.7	57.6	19 0 . . .			
43	δ Aquilæ	10	20 5.94	+ 0.11	+14.84	35 56 5.92	44.389	+ 42.8	57.1	19 20 . . .			
44	Moon I	11	43 46.93	+ 0.11	+14.88	61 18 . . .				19 44 1.92	+73.33		

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
22 15 20	29.814	41.4	38.6	5.	Bisections at II, VI, VII.	6	+ 5.1			+ 5.1
16 30	29.808	40.8	38.0	10, 33.	Bisections at C ₅ , C ₆ , C ₃ , C ₂ , C ₁ .	8	+ 0.1			+ 0.1
23 5 0	30.088	30.6	28.5	13.	Bisections at D ₃ , D ₂ , D ₁ .	16	+ 4.5	+ 6.0		+ 10.5
5 40	30.100	31.0	28.5	16, 17.	Z. D. thread A used.	17	+ 4.5	+ 6.0	+ 0.1	+ 1.4
6 20	30.122	30.0	27.7	16, 35, 39.	Bisections at II, VI.	18	+ 7.7	-16 12.2		-16 4.5
13 9	30.244	30.8	28.3	17, 36.	Bisections at I, VII.	19	+ 7.7	+16 12.1		+16 19.8
14 14	30.267	33.8	31.5	18.	Bisections at I, II.	20	+ 5.6		0.0	+ 5.6
24 16 4	30.244	36.8	34.3	19, 38.	Bisections at VI, VII.	27	+ 0.1			+ 0.1
17 35	30.225	38.0	35.6	29.	Bisections at I, II, VI.	35	+ 4.5	+ 5.9		+ 10.4
18 21	30.218	38.5	36.3	30.	Bisections at C ₅ , C ₄ , C ₃ .	36	+ 4.5	- 5.9	+ 0.1	+ 1.3
19 28	30.210	37.9	36.5			38	+ 7.7	-16 14.4		-16 6.7
4 55	30.176	32.8	31.5			39	+ 5.7		0.0	+ 5.7
6 15	30.180	33.5	32.4							
26 13 00	29.968	47.5	45.3							
15 6	29.986	48.5	45.3							
27 16 16	30.004	47.4	43.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	α ² Capricorni	9	12 8.77	+ 0.11	+14.73	51 42 12.20	43.610	+ 1 14.6	56.3	20 12 . .	.	.	.
2	γ Tauri	11	13 46.14	- 0.02	+15.14	23 28 8.60	43.930	+ 26.7	54.3	4 14 . .	.	.	.
3	ε Tauri	11	22 26.55	- 0.01	+15.08	19 54 9.05	43.002	+ 22.2	54.5	4 22 . .	.	.	.
4	α Tauri	11	29 50.93	- 0.01	+15.10	22 32 8.52	46.051	+ 25.5	55.6	4 30 . .	.	.	.
5	Hebe	11	6 0.02	- 0.06	+15.13	41 30 6.15	44.000	+ 54.2	55.0	5 6 15.09	.	- 2 39 24.2	.
6	Neptune C, C. . . .	11	23 20.27	0.00	+15.14	17 4 6.72	43.928	+ 18.8	55.0	5 23 35.41	.	+ 21 47 12.1	.
7	μ Geminorum	11	16 34.24	0.00	+15.15	16 16 8.72	47.551	+ 18.0	54.4	6 16 . .	.	.	.
8	γ Geminorum	11	31 35.87	- 0.01	+15.19	22 22 7.92	43.460	+ 25.3	56.1	6 31 . .	.	.	.
9	51 Cephei	8	52 57.53	+ 1.44	[+15.14]	311 40 4.38	45.120	- 1 8.6	[57.5]	6 53 . .	.	.	.
November 29, K.													
10	ζ Cygni	11	8 20.55	+ 0.08	+14.84	9 2 10.10	45.741	+ 9.5	54.2	21 8 . .	.	.	.
11	1 Pegasi	11	17 7.22	+ 0.09	+14.81	19 28 5.60	46.860	+ 21.0	54.5	21 17 . .	.	.	.
12	1 H. Draconis s. p. .	11	22 24.05	+ 0.82	[+14.80]	300 40 . .	.	.	.	21 22 . .	.	.	.
13	β Aquarii	11	25 56.74	+ 0.11	+14.75	44 52 5.05	43.088	+ 58.9	54.6	21 26 . .	.	.	.
14	ε Aquarii	11	32 4.69	+ 0.11	+14.81	47 8 4.38	47.621	+ 1 3.8	54.8	21 32 . .	.	.	.
15	Moon I, S.	11	37 59.89	+ 0.11	+14.80	51 34 13.00	33.839	+ 1 14.6	54.6	21 38 14.80	+66.95	- 12 43 51.8	.
16	μ Capricorni	11	47 29.62	+ 0.11	+14.78	52 52 6.32	44.442	+ 1 18.2	55.4	21 47 . .	.	.	.
17	ι Aurigæ	11	50 8.38	+ 0.10	+14.82	5 50 6.68	47.085	+ 6.3	54.4	4 50 . .	.	.	.
18	11 Orionis	11	58 31.63	+ 0.10	+14.70	23 34 7.92	47.684	+ 26.5	54.5	4 58 . .	.	.	.
19	Hebe	11	4 0.59	+ 0.10	+14.74	41 26 7.60	47.424	+ 53.5	54.6	5 4 15.43	.	- 2 36 30.6	.
20	β Orionis	11	9 25.22	+ 0.10	+14.73	47 10 5.22	42.324	+ 1 5.3	54.9	5 9 . .	.	.	.
21	β Tauri	11	19 37.98	+ 0.10	+14.74	10 20 5.40	43.784	+ 11.1	53.4	5 19 . .	.	.	.
22	Neptune C, C. . . .	11	23 6.50	+ 0.10	+14.74	17 4 6.02	44.590	+ 18.7	54.6	5 23 21.34	.	+ 21 46 59.8	.
23	ν Orionis	11	1 32.05	+ 0.10	+14.72	24 4 8.50	44.285	+ 27.2	55.1	6 1 . .	.	.	.
24	δ Ursæ Minoris s. p. .	7	4 31.08	+ 0.69	[+14.73]	305 30 6.90	43.240	- 1 24.7	[55.5]	18 4 . .	.	.	.
November 29, La.													
25	α Ursæ Minoris s. p. .	5	21 59.80	+ 1.79	[+14.63]	307 38 3.65	47.118	- 1 18.9	[53.1]	1 22 . .	.	.	.
26	α Bootis	9	10 45.24	+ 0.12	+14.67	19 8 4.68	45.516	+ 21.2	55.3	14 11 . .	.	.	.
27	ρ Bootis	11	27 10.63	+ 0.12	+14.64	8 2 3.78	45.396	+ 8.7	58.3	14 27 . .	.	.	.
28	ε Bootis	11	40 16.45	+ 0.12	+14.68	11 20 8.25	47.670	+ 12.3	57.1	14 40 . .	.	.	.
29	α Coronæ Borealis . .	10	30 6.43	+ 0.12	+14.72	11 48 4.30	43.882	+ 12.8	56.3	15 30 . .	.	.	.
November 30, La.													
30	Sun I, N.	11	26 56.74	+ 0.10	+14.66	60 20 9.45	45.755	+ 1 46.7	56.4	16 27 11.50	+70.28	- 21 30 50.5	.
31	Sun II, S.	11	29 17.30	+ 0.10	+14.66	60 52 4.78	47.230	+ 1 49.0	56.4	16 29 32.06	-70.28	- 22 3 18.8	.
32	Mercury C, C. . . .	11	20 58.13	+ 0.10	+14.65	64 2 5.72	44.015	+ 2 4.4	56.4	17 21 12.88	+ 0.01	- 25 12 31.8	.
33	α Ophiuchi	11	29 56.42	+ 0.12	+14.62	26 12 6.58	46.981	+ 29.9	54.7	17 30 . .	.	.	.
34	μ Herculis	9	42 12.21	+ 0.12	+14.66	11 4 5.05	45.576	+ 11.9	55.9	17 42 . .	.	.	.
35	α Lyræ	11	33 13.22	+ 0.11	+14.60	0 10 4.88	44.361	+ 0.2	54.9	18 33 . .	.	.	.
36	β Lyræ	11	46 3.08	+ 0.12	+14.65	5 36 4.28	46.366	+ 6.0	58.5	18 46 . .	.	.	.
37	1 H. Draconis s. p. .	11	22 24.55	+ 0.61	[+14.69]	300 40 . .	.	.	.	9 22 . .	.	.	.
38	β Aquarii	11	25 56.81	+ 0.14	+14.64	44 52 6.92	42.862	+ 1 0.5	54.2	21 26 . .	.	.	.
39	ε Pegasi	11	38 55.95	+ 0.13	+14.66	29 26 6.95	45.139	+ 34.4	55.0	21 39 . .	.	.	.
40	α Aquarii	11	0 18.28	+ 0.14	+14.66	39 40 9.58	42.305	+ 50.5	54.7	22 0 . .	.	.	.
41	Moon I, S.	11	28 28.19	+ 0.14	+14.68	45 43 58.92	48.154	+ 1 2.5	54.7	22 28 43.01	+64.71	- 6 54 44.9	.
42	ζ Pegasi	11	36 8.08	+ 0.13	+14.78	28 32 8.40	46.622	+ 33.2	55.0	22 36 . .	.	.	.
43	ι Aurigæ	11	50 8.59	+ 0.19	+14.53	5 50 4.75	47.161	+ 6.3	54.1	4 50 . .	.	.	.
44	Neptune C, C. . . .	11	22 59.48	+ 0.21	+14.59	17 4 3.10	45.041	+ 18.8	54.2	5 23 14.28	.	+ 21 46 53.6	.
45	ε Orionis	11	30 49.32	+ 0.23	+14.62	40 6 5.85	45.674	+ 51.5	54.0	5 31 . .	.	.	.
46	ν Orionis	11	1 32.07	+ 0.22	+14.61	24 4 4.40	44.438	+ 27.4	54.0	6 1 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
27 20 0	30.078	44.6	46.3	5.	Bisections at I, VI, VII.	5	+ 5.1	.	.	+ 5.1
4 4	30.280	32.7	30.7	9.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	6	+ 0.1	.	.	+ 0.1
5 23	30.198	31.8	30.1	15, 41.	Bisections at II, III, IV, V, VI.	15	+45 15.2	+15 48.8	.	+61 4.0
6 40	30.210	31.0	29.5	15.	Z. D. thread A used.	19	+ 5.1	.	.	+ 5.1
29 21 8	29.874	42.0	41.5	24.	Bisections at C ₁ , C ₃ , C ₂ .	22	+ 0.1	.	.	+ 0.1
21 35	29.872	41.6	40.9	25.	Bisections at C ₅ , C ₄ , C ₁ .	30	- 7.8	-16 14.1	.	-16 6.3
4 50	29.980	33.8	32.5	30.	Bisections at I, II.	31	+ 7.8	+16 14.2	.	+16 22.0
5 23	29.972	32.6	31.4	31.	Bisections at VI, VII.	32	+ 5.8	.	0.0	+ 5.8
6 5	29.976	32.0	30.3	32.	Bisections at I, II, VI.	41	+40 42.2	+15 33.7	.	+56 15.9
13 32	30.036	30.4	28.1	38.	Bisections at II, VI, VII.	44	+ 0.1	.	.	+ 0.1
14 27	30.048	31.9	28.7							
15 30	30.056	31.6	28.8							
30 16 29	30.044	33.0	30.5							
17 10	30.024	33.2	30.9							
18 3	30.012	33.5	31.2							
18 46	30.000	33.8	31.3							
21 26	29.990	31.8	30.2							
22 36	29.988	30.0	29.5							
4 50	29.936	28.2	26.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
1	δ Ursæ Minoris S. P.	5	m s 4 29.92	+ 1.75	[+14.61]	305 29 59.50	43.670	- I 25.3	[55.9]	18 4 . .	. .		. .
2	μ Geminorum	11	16 34.67	+ 0.20	+14.60	16 16 4.70	47.779	+ 17.9	54.6	6 16 . .	. .		. .
November 30, S.													
3	α Ursæ Minoris S. P.	7	21 52.64	+ 8.43	[+14.43]	307 38 4.45	47.151	- I 18.3	[54.9]	1 22 . .	. .		. .
4	η Bootis	11	49 34.65	+ 0.22	+14.43	19 56 6.65	46.146	+ 22.0	53.7	13 49 . .	. .		. .
5	α Bootis	11	10 45.39	+ 0.22	+14.44	19 8 6.28	45.380	+ 21.0	53.8	14 11 . .	. .		. .
6	ε Bootis	8	40 16.62	+ 0.19	+14.46	11 20 5.25	47.720	+ 12.1	54.7	14 40 . .	. .		. .
7	Venus I, S.	6	17 21.78	+ 0.30	+14.41	55 50 5.85	37.575	+ I 27.9	53.6	15 17 36.49	+ 0.37	- 17 1 10.5	. .
8	Venus II, N.	5	17 22.56	+ 0.30	+14.41	55 50 5.85	37.058	+ I 27.9	53.6	15 17 37.27	- 0.41	- 17 1 0.5	. .
December 1, S.													
9	Sun I, S.	11	31 16.20	+ 0.31	+14.37	61 2 7.38	44.860	+ I 46.9	53.6	16 31 30.88	+70.28	- 22 12 34.2	. .
10	Sun II, N.	11	33 36.76	+ 0.31	+14.37	60 30 12.05	43.148	+ I 44.5	53.6	16 33 51.44	-70.28	- 21 40 6.1	. .
11	ζ Aquilæ	11	0 28.19	+ 0.23	+14.27	25 8 5.55	44.848	+ 27.6	52.9	19 0 . .	. .		. .
12	α Aquilæ	11	45 33.46	+ 0.24	+14.29	30 14 6.38	46.858	+ 34.3	53.1	19 45 . .	. .		. .
13	α Pegasi	11	59 27.01	+ 0.23	+14.15	24 12 8.45	42.185	+ 25.7	52.7	22 59 . .	. .		. .
14	Moon I, S.	11	16 16.45	+ 0.28	+14.15	39 50 10.28	46.992	+ 49.5	53.2	23 16 30.88	+63.34	- 1 0 22.5	. .
15	ι Piscium	11	34 28.74	+ 0.25	+14.10	33 46 8.48	44.739	+ 39.7	53.3	23 34 . .	. .		. .
16	ω Piscium	11	53 51.00	+ 0.25	+14.11	32 32 7.82	46.348	+ 37.9	53.2	23 54 . .	. .		. .
17	ε Piscium	11	57 25.86	+ 0.25	+14.14	31 30 7.30	44.714	+ 36.5	53.4	0 57 . .	. .		. .
18	α Ursæ Minoris . . .	8	22 8.89	- 7.86	[+14.11]	310 6 5.75	45.464	- I 10.4	[52.4]	1 22 . .	. .		. .
19	ι Orionis	11	58 32.15	+ 0.23	+14.09	23 34 7.68	47.641	+ 26.1	53.0	4 58 . .	. .		. .
20	Hebe	11	1 59.91	+ 0.27	+14.08	41 22 5.52	46.693	+ 52.6	52.6	5 2 14.26	. .	- 2 32 16.2	. .
21	β Orionis	11	9 25.71	+ 0.28	+14.08	47 10 6.62	42.181	+ I 4.3	52.3	5 9 . .	. .		. .
22	Neptune C, C. . . .	11	22 52.68	+ 0.21	+14.07	17 4 6.68	45.168	+ 18.4	52.6	5 23 6.96	. .	+ 21 46 46.4	. .
23	ε Orionis	11	30 49.78	+ 0.26	+14.14	40 6 7.28	45.598	+ 50.2	52.5	5 31 . .	. .		. .
24	δ Ursæ Minoris S. P.	3	4 26.76	+ 3.23	[+16.11]	305 30 . .	. .	. .	. .	18 4 . .	. .		. .
25	μ Geminorum	11	16 35.31	+ 0.20	+13.98	16 16 6.58	47.619	+ 17.4	52.8	6 16 . .	. .		. .
December 1, L.													
26	α Virginis	11	19 34.71	+ 0.16	+13.99	49 28 7.30	44.032	+ I 10.6	53.4	13 19 . .	. .		. .
27	α Ursæ Minoris S. P.	6	21 52.87	+ 7.90	[+14.00]	307 38 4.95	47.040	- I 17.9	[53.6]	1 22 . .	. .		. .
28	α Bootis	11	10 45.98	+ 0.11	+13.98	19 8 6.62	45.338	+ 21.0	53.1	14 11 . .	. .		. .
29	Venus I, C.	6	22 25.00	+ 0.17	+13.99	56 12 5.45	44.296	+ I 30.1	53.1	15 22 39.16	+ 0.39	- 17 22 6.5	. .
30	Venus II	5	22 25.82	+ 0.17	+13.99		. .	. .	. .	15 22 39.98	- 0.43		. .
31	α Coronæ Borealis . .	11	30 7.21	+ 0.09	+14.01	11 48 5.52	43.696	+ 12.7	53.3	15 30 . .	. .		. .
32	α Serpentis	11	38 59.83	+ 0.13	+13.95	32 6 . .	. .	. .	. .	15 39 . .	. .		. .
December 2, L.													
33	Sun II, N.	10	37 57.35	+ 0.18	+13.99	60 38 6.35	45.775	+ I 46.6	53.1	16 38 11.52	-70.41	- 21 48 53.4	. .
34	α Lyrae	11	33 13.81	+ 0.05	+14.05	0 10 7.70	44.116	+ 0.2	52.5	18 33 . .	. .		. .
35	α Aquilæ	11	45 33.89	+ 0.13	+13.97	30 14 5.45	46.875	+ 35.0	53.1	19 45 . .	. .		. .
December 5, L.													
36	α Bootis	11	10 46.60	+ 0.13	+13.44	19 8 6.78	45.365	+ 20.9	52.6	14 11 . .	. .		. .
37	ρ Bootis	11	27 12.03	+ 0.12	+13.37	8 2 5.40	45.110	+ 8.5	52.3	14 27 . .	. .		. .
38	ε Bootis	11	40 17.91	+ 0.12	+13.35	11 20 5.38	47.700	+ 12.1	52.9	14 40 . .	. .		. .
39	β Libræ	11	11 17.01	+ 0.14	+13.35	47 50 6.00	46.492	+ I 6.0	52.5	15 11 . .	. .		. .
40	Venus I, N.	6	42 48.47	+ 0.14	+13.38	57 32 6.22	41.645	+ I 33.6	52.7	15 43 1.99	+ 0.44	- 18 41 20.3	. .
41	Venus II, S.	5	42 49.38	+ 0.14	+13.38	57 32 6.22	42.220	+ I 33.6	52.7	15 43 2.90	- 0.47	- 18 41 31.2	. .
December 6, L.													
42	Sun I, N.	11	53 2.27	+ 0.14	+13.38	61 10 6.92	42.315	+ I 47.5	52.7	16 53 15.79	+70.73	- 22 19 46.4	. .
43	Sun II, S.	11	55 23.73	+ 0.14	+13.38	61 42 6.30	43.762	+ I 49.9	52.7	16 55 37.25	-70.73	- 22 52 18.5	. .
44	α Ophiuchi	11	29 57.69	+ 0.13	+13.37	26 12 8.30	46.899	+ 29.2	52.9	17 30 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m in.	°	°					' "	' "	"	' "
30 6 17 29.934	27.6	26.2	1.	Bisections at C ₂ , C ₁ .	7	+	4.6	+ 5.0	.	+ 9.6
13 26 29.862	30.0	29.2	3.	Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	8	+	4.6	- 5.0	0.0	- 0.4
14 43 29.850	35.0	34.4	7, 8.	Z. D. thread A used.	9	+	7.8	+16 14.0	.	+16 21.8
15 26 29.837	37.5	37.4	7, 40.	Bisections at II, VI.	10	+	7.8	-16 14.1	.	-16 6.3
1 16 34 29.805	40.0	39.4	8, 41.	Bisections at I, VII.	14	+35	51.8	+15 20.1	.	+51 11.9
19 6 29.738	43.6	43.0	9, 42.	Bisections at I, II.	20	+	5.0	.	.	+ 5.0
19 51 29.744	43.6	42.7	10, 33, 43.	Bisections at VI, VII.	22	+	0.1	.	.	+ 0.1
22 54 29.794	39.5	39.4	14.	Bisections at II, III, IV, V, VI.	29	+	4.6	.	+ 0.1	+ 4.7
4 42 29.890	36.0	36.3	18.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	33	+	7.8	-16 15.1	.	-16 7.3
5 51 29.906	38.2	39.4	20.	Bisections at II, VI, VII.	40	+	4.6	- 5.5	0.0	- 0.9
6 25 29.928	39.4	39.7	27.	Bisections at C ₄ , C ₃ , C ₂ .	41	+	4.6	+ 5.4	.	+ 10.0
13 30 30.150	35.9	35.5			42	+	7.9	-16 16.1	.	-16 8.2
14 13 30.166	37.1	35.5			43	+	7.9	+16 16.0	.	+16 23.9
15 26 30.186	39.0	36.6								
2 16 38 30.176	41.0	38.5								
19 47 30.158	42.0	39.4								
14 5 29.850	35.0	33.5								
14 38 29.870	36.0	35.0								
15 9 29.874	37.9	36.4								
15 40 29.880	38.9	37.4								
6 16 55 29.864	40.6	39.7								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
		m s	s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	μ Herculis	11	42 13.45	+ 0.12	+13.43	11 4 5.88	45.448	+ 11.7	52.3	17 42 . . .			
2	Mercury C, C.	11	1 12.72	+ 0.14	+13.38	64 34 6.38	43.592	+ 2 3.9	52.7	18 1 26.24	+ 0.02	- 25 44 28.1	
3	δ Ursæ Minoris	5	4 32.97	- 1.02	[+13.38]	312 16 . . .				18 4 . . .			
4	β Lyrae	11	46 4.29	+ 0.12	+13.41	5 36 7.88	45.964	+ 5.9	52.9	18 46 . . .			
5	ζ Aquilæ	10	0 29.24	+ 0.13	+13.31	25 8 6.50	44.854	+ 27.7	53.3	19 0 . . .			
6	α Ursæ Minoris	7	22 7.03	- 8.27	[+13.17]	310 6 6.58	45.457	- 1 10.7	[53.8]	1 22 . . .			
7	α Arietis	11	1 13.57	+ 0.14	+13.25	15 52 8.08	44.315	+ 17.1	51.9	2 1 . . .			
8	α Ceti	11	56 45.29	+ 0.19	+13.14	35 10 8.85	41.465	+ 42.3	52.3	2 56 . . .			
9	ζ Arietis	10	8 50.90	+ 0.15	+13.12	18 10 8.25	46.834	+ 19.7	51.3	3 9 . . .			
10	Moon I, S.	11	15 49.12	+ 0.15	+13.17	16 20 7.20	43.887	+ 17.6	51.8	3 16 2.44	+ 66.41	+ 22 31 10.6	
11	η Tauri	11	41 13.95	+ 0.14	+13.19	15 4 6.50	42.792	+ 16.2	51.8	3 41 . . .			
December 6, Br.													
12	α Bootis	11	10 46.76	+ 0.10	+13.34	19 8 6.28	45.394	+ 20.7	52.1	14 11 . . .			
13	ρ Bootis	11	27 12.14	+ 0.08	+13.33	8 2 5.38	45.179	+ 8.5	53.3	14 27 . . .			
14	ϵ Bootis	11	40 17.98	+ 0.08	+13.34	11 20 5.42	47.724	+ 12.0	53.0	14 40 . . .			
15	β Libræ	7	11 17.13	+ 0.13	+13.26	47 50 5.52	46.655	+ 1 5.4	54.2	15 11 . . .			
16	α Serpentis	11	39 0.49	+ 0.12	+13.39	32 6 6.22	44.425	+ 37.1	52.8	15 39 . . .			
17	Venus I, C.	6	47 57.22	+ 0.14	+13.32	57 50 5.30	43.791	+ 1 33.8	53.5	15 48 10.68	+ 0.39	- 18 59 59.9	
18	Venus II	5	47 58.04	+ 0.14	+13.32					15 48 11.50	- 0.43		
December 7, Br.													
19	Sun I, N.	11	57 24.89	+ 0.14	+13.30	61 16 6.05	44.148	+ 1 46.8	53.5	16 57 38.33	+ 70.89	- 22 26 19.2	
20	Sun II, S.	11	59 46.68	+ 0.14	+13.29	61 48 6.32	45.520	+ 1 49.2	53.5	17 0 0.11	- 70.89	- 22 58 50.7	
21	α Ophiuchi	11	29 57.85	+ 0.11	+13.24	26 12 4.10	47.178	+ 28.9	53.6	17 30 . . .			
22	δ Ursæ Minoris	5	4 34.00	- 2.11	[+13.26]	312 16 . . .				18 4 . . .			
23	Mercury C, C.	11	7 50.48	+ 0.14	+13.27	64 34 5.70	44.560	+ 2 2.5	53.5	18 8 3.89	+ 0.02	- 25 44 43.7	
24	ζ Aquilæ	11	0 29.27	+ 0.11	+13.29	25 8 5.98	44.944	+ 27.4	54.1	19 0 . . .			
25	γ Aquilæ	11	41 10.81	+ 0.11	+13.23	28 28 6.40	47.260	+ 31.6	54.3	19 41 . . .			
26	α Aquilæ	11	45 34.56	+ 0.12	+13.28	30 14 5.70	47.018	+ 34.0	54.5	19 45 . . .			
27	η Tauri	11	41 14.03	+ 0.18	+13.07	15 4 7.22	42.708	+ 16.1	50.8	3 41 . . .			
28	ζ Persei	11	47 32.10	+ 0.15	+13.11	7 16 7.25	44.879	+ 7.6	52.2	3 47 . . .			
29	Moon I, N.	11	8 36.80	+ 0.18	+13.07	13 38 1.88	43.183	+ 14.5	52.1	4 8 50.05	+ 67.54	+ 25 13 32.8	
30	ϵ Tauri	11	22 28.40	+ 0.20	+13.12	19 54 8.40	42.944	+ 21.6	52.0	4 22 . . .			
31	α Tauri	11	29 52.83	+ 0.22	+13.08	22 32 10.00	45.874	+ 24.8	52.7	4 30 . . .			
32	Hebe	11	55 55.14	+ 0.28	+13.06	41 2 7.85	44.650	+ 52.0	52.1	4 56 8.48		- 2 11 38.7	
33	β Orionis	11	9 26.80	+ 0.30	+13.06	47 10 7.72	42.199	+ 1 4.4	52.7	5 9 . . .			
34	Neptune C, C.	11	22 10.61	+ 0.19	+13.05	17 4 7.28	47.119	+ 18.4	52.1	5 22 23.85		+ 21 46 7.9	
35	α Orionis	11	49 27.77	+ 0.25	+13.02	31 28 8.45	42.222	+ 36.6	52.0	5 49 . . .			
36	δ Ursæ Minoris S. P.	5	4 27.81	+ 4.18	[+13.06]	305 30 5.70	42.908	- 1 23.4	[51.6]	18 4 . . .			
December 7, S.													
37	α Coronæ Borealis	11	30 7.95	+ 0.13	+13.33	11 48 5.78	43.761	+ 12.5	52.9	15 30 . . .			
38	α Serpentis	11	39 0.62	+ 0.15	+13.25	32 6 6.55	44.448	+ 37.2	53.5	15 39 . . .			
39	Venus I, S.	5	53 7.18	+ 0.17	+13.28	58 8 5.72	34.005	+ 1 35.2	53.1	15 53 20.63	+ 0.29	- 19 18 9.7	
40	Venus II, N.	6	53 7.78	+ 0.17	+13.28	58 8 5.72	33.490	+ 1 35.2	53.1	15 53 21.23	- 0.31	- 19 17 59.7	
December 8, S.													
41	Sun I, N.	11	1 48.19	+ 0.17	+13.24	61 22 7.05	44.775	+ 1 47.5	53.1	17 2 1.60	+ 70.72	- 22 32 33.3	
42	Sun II, S.	11	4 9.64	+ 0.17	+13.24	61 54 9.98	45.878	+ 1 50.0	53.1	17 4 23.05	- 70.73	- 23 5 2.4	
43	θ Aquarii	11	11 14.24	+ 0.16	+13.08	47 8 6.58	43.570	+ 1 3.3	53.1	22 11 . . .			
44	π Aquarii	11	19 51.19	+ 0.16	+13.10	37 58 7.32	47.191	+ 45.9	52.5	22 20 . . .			
45	η Aquarii	11	29 54.16	+ 0.16	+13.04	39 28 7.52	47.670	+ 48.5	53.5	22 30 . . .			
46	α Ursæ Minoris	5	22 2.92	- 4.26	[+13.07]	310 6 6.52	45.215	- 1 9.9	[52.5]	1 22 . . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 17 34	29.866	41.1	39.9	2, 35, 39.	Bisections at II, VI.	2	+ 6.2		0.0	+ 6.2
18 10	29.838	42.8	41.3	6.	Bisections at C ₂ , C ₃ , C ₄ .	10	+ 15 3.8	+ 14 45.0		+ 29 48.8
19 0	29.866	44.1	42.3	10, 29.	Bisections at III, IV, V.	17	+ 4.6		+ 0.1	+ 4.7
2 25	29.850	37.1	35.8	15.	Bisections at I, II, VII.	19	+ 7.9	- 16 15.7		- 16 7.8
2 52	29.850	37.5	34.8	19, 41.	Bisections at I, II.	20	+ 7.9	+ 16 15.8		+ 16 23.7
3 36	29.850	36.4	34.8	20, 42.	Bisections at VI, VII.	23	+ 6.3		0.0	+ 6.3
14 0	29.804	37.5	35.9	36.	Bisections at C ₅ , C ₃ , C ₁ .	29	+ 12 35.0	- 14 43.8		- 2 8.8
14 50	29.802	40.0	38.3	39, 40.	Z. D. thread A used.	32	+ 5.0			+ 5.0
16 1	29.806	40.0	41.3	40.	Bisections at I, VII.	34	+ 0.1			+ 0.1
17 0	29.790	44.8	43.6	46.	Bisections at B ₁ , B ₂ , B ₃ .	39	+ 4.7	+ 5.0		+ 9.7
17 37	29.792	46.0	45.1			40	+ 4.7	- 5.0	0.0	0.3
19 15	29.808	49.5	47.2			41	+ 7.9	- 16 14.5		- 16 6.6
19 54	29.822	49.5	48.7			42	+ 7.9	+ 16 14.6		+ 16 22.5
3 38	29.940	39.5	39.6							
6 15	29.944	38.5	37.9							
15 34	29.996	42.3	41.6							
17 4	29.964	45.2	45.3							
22 16	29.934	45.9	45.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	o Piscium	11	39 48.65	+ 0.14	+13.10	30 12 5.80	44.170	+ 34.5	52.2	1 40 . .	. .		. .
2	β Arietis	11	48 48.60	+ 0.12	+13.06	18 32 7.00	45.000	+ 19.9	51.7	1 49 . .	. .		. .
3	ε Tauri	11	22 28.55	+ 0.12	+13.06	19 54 7.05	43.040	+ 21.6	52.5	4 22 . .	. .		. .
4	α Tauri	11	29 52.92	+ 0.12	+13.10	22 32 6.92	46.028	+ 24.8	52.6	4 30 . .	. .		. .
5	Moon I, N. . . .	11	2 50.35	+ 0.11	+13.08	12 38 5.62	46.140	+ 13.4	52.2	5 3 3.54	+68.17	+ 26 12 33.6	. .
6	β Tauri	11	19 39.78	+ 0.11	+13.08	10 20 6.58	43.648	+ 10.9	52.0	5 19 . .	. .		. .
7	Neptune C, C. . .	4	22 3.44	+ 0.12	+13.08	17 4 6.25	47.445	+ 18.4	52.2	5 22 16.64	. .	+ 21 46 1.4	. .
December 8, L.													
8	α Bootis	11	10 47.16	+ 0.18	+12.91	19 8 5.92	45.448	+ 20.8	52.4	14 11 . .	. .		. .
9	ρ Bootis	11	27 12.52	+ 0.16	+12.92	8 2 3.62	45.254	+ 8.5	52.4	14 27 . .	. .		. .
10	α Coronæ Borealis .	11	30 8.45	+ 0.17	+12.81	11 48 6.70	43.698	+ 12.5	52.3	15 30 . .	. .		. .
11	α Serpentis	10	39 1.03	+ 0.21	+12.80	32 6 5.98	44.465	+ 37.3	53.2	15 39 . .	. .		. .
12	Venus I, N. . . .	6	58 18.55	+ 0.26	+12.84	58 26 3.72	42.245	+ 1 36.1	52.8	15 58 31.65	+ 0.44	- 19 35 31.8	. .
13	Venus II, S. . . .	5	58 19.46	+ 0.26	+12.84	58 26 3.72	42.818	+ 1 36.1	52.8	15 58 32.56	- 0.47	- 19 35 42.6	. .
December 9, L.													
14	Sun I, S.	11	6 12.04	+ 0.27	+12.83	62 0 4.90	45.502	+ 1 50.2	52.8	17 6 25.14	+70.92	- 23 10 48.1	. .
15	Sun II, N.	11	8 33.87	+ 0.27	+12.83	61 28 5.50	43.765	+ 1 47.7	52.8	17 8 46.97	-70.91	- 22 38 15.5	. .
16	α Ophiuchi	11	29 58.25	+ 0.20	+12.77	26 12 5.95	47.060	+ 28.9	52.7	17 30 . .	. .		. .
17	μ Herculis	11	42 13.93	+ 0.16	+12.92	11 4 6.02	45.518	+ 11.5	52.8	17 42 . .	. .		. .
18	Mercury C, C. . .	10	20 57.11	+ 0.28	+12.81	64 30 4.70	44.976	+ 2 1.7	52.8	18 21 10.20	+ 0.03	- 25 40 50.5	. .
19	δ Draconis	11	12 16.11	- 0.08	+12.64	331 22 3.95	47.081	- 31.5	[54.3]	19 12 . .	. .		. .
20	γ Aquilæ	11	41 11.21	+ 0.21	+12.73	28 28 7.58	47.181	+ 31.5	53.6	19 41 . .	. .		. .
21	α Aquilæ	11	45 34.94	+ 0.21	+12.80	30 14 6.28	46.960	+ 33.8	53.4	19 45 . .	. .		. .
22	Hebe	11	53 55.23	+ 0.15	+12.77	40 52 7.22	46.399	+ 51.1	52.9	4 54 8.15	. .	- 2 2 9.9	. .
23	11 Orionis	11	58 33.63	+ 0.13	+12.82	23 34 7.35	47.699	+ 25.8	53.1	4 58 . .	. .		. .
24	β Tauri	11	19 40.07	+ 0.11	+12.81	10 20 6.60	43.768	+ 10.8	52.8	5 19 . .	. .		. .
25	Neptune C, C. . .	11	21 56.51	+ 0.12	+12.77	17 4 6.15	47.885	+ 18.2	52.9	5 22 9.40	. .	+ 21 45 55.2	. .
26	ε Orionis	11	30 51.38	+ 0.15	+12.77	40 6 7.28	45.684	+ 49.8	52.5	5 31 . .	. .		. .
27	α Orionis	11	49 28.16	+ 0.14	+12.77	31 28 7.78	42.348	+ 36.2	53.2	5 49 . .	. .		. .
28	Moon II, N. . . .	11	59 48.31	+ 0.12	+12.77	12 58 6.78	43.468	+ 13.7	52.9	6 0 1.20	-68.12	+ 25 53 24.0	. .
29	δ Ursæ Minoris S. P.	8	4 30.05	+ 1.88	+12.74	305 30 5.15	42.887	- 1 22.5	[52.2]	18 4 . .	. .		. .
30	μ Geminorum . . .	11	16 36.85	+ 0.12	+12.69	16 16 7.30	47.611	+ 17.3	53.0	6 16 . .	. .		. .
December 9, K.													
31	β Herculis	11	25 36.30	+ 0.06	+12.92	17 8 7.20	45.730	+ 18.2	54.0	16 25 . .	. .		. .
December 10, K.													
32	Sun I, S.	11	10 35.90	+ 0.08	+12.93	62 4 7.72	49.458	+ 1 49.8	56.1	17 10 48.91	+70.96	- 23 16 3.1	. .
33	Sun II	9	12 57.82	+ 0.08	+12.93	61 48 . .	. .	. .	. .	17 13 10.83	-70.96		. .
34	Mercury C.	. .		. .	. .	64 26 2.30	44.778	+ 1 58.9	56.1	18 27 . .	. .	- 25 36 38.3	. .
35	α Lyre	. .		. .	. .	0 10 0.48	44.814	+ 0.2	56.4	18 33 . .	. .		. .
36	β Lyre	11	46 4.82	+ 0.04	+12.94	5 36 0.28	46.621	+ 5.7	56.7	18 46 . .	. .		. .
37	ζ Aquilæ	11	0 29.64	+ 0.06	+12.97	25 8 2.12	45.321	+ 26.7	56.3	19 0 . .	. .		. .
38	δ Draconis	11	12 15.99	- 0.08	+12.73	331 22 2.25	47.312	- 30.9	[56.6]	19 12 . .	. .		. .
39	δ Aquilæ	11	20 7.84	+ 0.07	+12.95	35 56 2.42	44.696	+ 41.2	56.5	19 20 . .	. .		. .
40	γ Aquilæ	11	41 11.16	+ 0.07	+12.92	28 28 2.80	47.611	+ 30.9	56.3	19 41 . .	. .		. .
41	α Aquilæ	11	45 34.95	+ 0.07	+12.93	30 14 1.50	47.411	+ 33.2	56.6	19 45 . .	. .		. .
42	Hebe	11	52 55.55	+ 0.07	+12.91	40 47 57.02	43.285	+ 50.2	56.3	4 53 8.53	. .	- 1 56 57.5	. .
43	β Orionis	11	9 27.21	+ 0.06	+12.91	47 10 3.18	42.758	+ 1 2.7	56.6	5 9 . .	. .		. .
44	β Tauri	11	19 39.97	+ 0.08	+12.96	10 20 3.82	44.100	+ 10.6	56.3	5 19 . .	. .		. .
45	Neptune C, C. . .	11	21 49.10	+ 0.08	+12.91	17 3 54.20	49.036	+ 17.9	56.3	5 22 2.09	. .	+ 21 45 48.8	. .
46	δ Orionis	11	26 36.86	+ 0.07	+12.86	39 12 2.35	47.746	+ 47.5	57.4	5 26 . .	. .		. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
8	1 54	29.919	42.4	41.1	1.	Bisections at II, VII.	5	+11 41.2	-14 44.2	. .	- 3 3.0
	4 13	29.950	40.3	39.5	5, 28.	Bisections at II, III, IV, V, VI.	7	+ 0.1	. .	. .	+ 0.1
	5 27	29.945	40.0	39.2	7, 15.	Bisections at VI, VII.	12	+ 4.7	- 5.4	0.0	- 0.7
	14 13	30.040	40.6	38.4	12.	Bisections at II, VI.	13	+ 4.7	+ 5.4	. .	+ 10.1
	15 32	30.064	44.0	42.3	13, 25.	Bisections at I, VII.	14	+ 7.9	+16 16.3	. .	+16 24.2
	16 0	30.060	46.1	44.3	14, 24, 32, 44.	Bisections at I, II.	15	+ 7.9	-16 16.3	. .	-16 8.4
	17 9	30.030	48.5	47.5	29.	Bisections at C ₄ , C ₃ , C ₂ .	18	+ 6.5	. .	0.0	+ 6.5
	18 23	30.034	51.0	51.5	38.	Bisections at II, III, V, VI.	22	+ 4.9	. .	. .	+ 4.9
	19 39	30.028	54.9	54.2	42.	Bisection at VII.	25	+ 0.1	. .	. .	+ 0.1
	4 56	30.038	45.1	45.3			28	+12 0.3	-14 46.0	. .	- 2 45.7
	6 10	30.024	44.1	43.5			32	+ 7.9	+16 16.3	. .	+16 24.2
	16 26	30.012	46.4	45.0			34	+ 6.6	. .	0.0	+ 6.6
10	17 13	30.000	50.8	50.5			42	+ 4.9	. .	. .	+ 4.9
	18 27	29.970	59.8	60.4			45	+ 0.1	. .	. .	+ 0.1
	19 0	29.966	63.4	62.3							
	19 46	29.960	63.0	62.1							
	4 53	29.872	50.6	49.9							
	5 27	29.860	50.5	49.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
1	Orionis	11	m s	s	s	° ' "	rev.	' "	' "	h m s	s	° ' "	' "
2	Ursæ Minoris S. P. December 11, Po.	6	1 34.10 4 31.33	+ 0.07 + 0.23	+12.92 [+12.91]	24 4 7.40 305 30 11.28	44.439 42.686	+ 26.0 - 1 21.1	55.0 [55.5]	6 1 . . 18 4 . .			
3	Sun I, S.	11	15 0.46	+ 0.10	+12.86	62 10 2.12	46.338	+ 1 47.5	58.3	17 15 13.42	+70.90	- 23 20 53.1	. .
4	Sun II, N.	11	17 22.25	+ 0.10	+12.86	61 38 3.02	44.552	+ 1 45.1	58.3	17 17 35.21	-70.89	- 22 48 20.0	. .
5	Mercury C, C.	11	33 47.13	+ 0.10	+12.86	64 20 3.80	46.090	+ 1 56.9	58.3	18 34 0.09	+ 0.03	- 25 31 0.7	. .
6	δ Draconis	11	12 16.27	- 0.18	[+12.52]	331 22 5.72	47.112	- 30.6	[57.0]	19 12 . .	. .	. .	. .
7	γ Aquilæ	11	41 11.21	+ 0.07	+12.86	28 28 3.42	47.749	+ 30.6	59.2	19 41 . .	. .	. .	. .
8	α Aquilæ	11	45 35.06	+ 0.07	+12.82	30 14 2.72	47.429	+ 32.9	57.7	19 45 . .	. .	. .	. .
9	ζ Cygni	11	8 22.43	+ 0.03	+12.84	9 2 3.85	46.370	+ 9.0	58.0	21 8 . .	. .	. .	. .
10	ε Piscium	11	57 27.22	+ 0.11	+12.84	31 30 4.00	45.215	+ 34.8	57.6	0 57 . .	. .	. .	. .
11	β Andromedæ	11	3 49.64	+ 0.09	+12.71	3 46 3.08	45.420	+ 3.8	57.5	1 4 . .	. .	. .	. .
12	α Ursæ Minoris	11	21 58.87	- 3.08	[+12.79]	310 6 2.38	45.591	- 1 7.2	[57.1]	1 22 . .	. .	. .	. .
13	ο Piscium December 12, S.	11	39 48.91	+ 0.11	+12.85	30 12 3.72	44.596	+ 33.2	56.5	1 40 . .	. .	. .	. .
14	λ Ursæ Minoris S. P.	4	22 56.60	+ 6.52	[+12.59]	307 52 . .	. .	. .	. .	19 23 . .	. .	. .	. .
15	α Canis Minoris	11	33 46.96	+ 0.20	+12.62	33 22 4.10	42.951	+ 39.1	53.9	7 33 . .	. .	. .	. .
16	η Cancri	11	26 37.89	+ 0.18	+12.54	18 4 3.70	44.083	+ 19.4	54.6	8 26 . .	. .	. .	. .
17	Moon II.	11	37 12.85	+ 0.18	+12.55	21 31 . .	. .	. .	. .	8 37 25.58	-65.22	. .	. .
18	ε Hydræ	8	41 11.55	+ 0.20	+12.47	32 2 4.92	48.139	+ 37.2	54.4	8 41 . .	. .	. .	. .
19	κ Cancri December 15, S.	11	2 2.31	+ 0.19	+12.56	27 46 4.58	45.016	+ 31.3	54.6	9 2 . .	. .	. .	. .
20	θ Ceti	11	18 44.73	+ 0.21	+11.92	47 32 6.08	46.872	+ 1 4.0	52.8	1 18 . .	. .	. .	. .
21	α Ursæ Minoris	8	21 54.82	- 1.69	[+11.93]	310 6 . .	. .	. .	. .	1 22 . .	. .	. .	. .
22	ο Piscium	11	39 49.72	+ 0.21	+11.91	30 12 6.22	44.127	+ 34.1	51.2	1 40 . .	. .	. .	. .
23	ε Tauri	11	22 29.64	+ 0.20	+11.94	19 54 6.02	43.024	+ 21.3	50.8	4 22 . .	. .	. .	. .
24	α Tauri	11	29 54.05	+ 0.20	+11.94	22 32 6.00	46.016	+ 24.4	50.8	4 30 . .	. .	. .	. .
25	Hebe	11	48 9.84	+ 0.21	+11.92	40 18 6.35	40.968	+ 49.9	51.2	4 48 21.97	. .	- 1 26 25.4	. .
26	ι Orionis	11	58 34.54	+ 0.20	+11.90	23 34 6.55	47.666	+ 25.8	51.5	4 58 . .	. .	. .	. .
27	β Orionis	11	9 28.13	+ 0.21	+11.89	47 10 5.62	42.338	+ 1 3.5	50.9	5 9 . .	. .	. .	. .
28	Neptune C, C.	11	21 13.41	+ 0.20	+11.92	17 6 5.85	43.519	+ 18.2	51.2	5 21 25.60	. .	+ 21 45 17.6	. .
29	ν Orionis	11	1 35.03	+ 0.20	+11.94	24 4 6.15	44.215	+ 26.5	50.2	6 1 . .	. .	. .	. .
30	Moon II, S.	11	2 16.42	+ 0.23	+11.87	37 40 6.40	43.841	+ 46.3	51.0	11 2 28.52	-64.22	+ 1 10 42.9	. .
31	δ Leonis	11	8 30.10	+ 0.22	+11.88	17 46 5.35	45.051	+ 19.3	50.1	11 8 . .	. .	. .	. .
32	τ Leonis	11	22 30.40	+ 0.23	+11.80	35 26 6.92	43.092	+ 42.7	50.8	11 22 . .	. .	. .	. .
33	υ Leonis	11	31 32.36	+ 0.23	+11.82	39 6 7.00	44.942	+ 48.8	50.6	11 31 . .	. .	. .	. .
34	ν Virginis	11	14 29.72	+ 0.23	+11.88	38 56 6.25	46.216	+ 48.6	51.6	12 14 . .	. .	. .	. .
35	α Virginis	11	19 37.13	+ 0.24	+11.92	49 28 5.75	44.161	+ 1 10.3	51.8	13 19 . .	. .	. .	. .
36	α Ursæ Minoris S. P. December 15, Br.	9	21 50.28	+ 2.43	[+11.92]	307 38 4.22	47.302	- 1 17.5	[54.5]	1 22 . .	. .	. .	. .
37	α Coronæ Borealis	11	30 9.53	+ 0.18	+11.87	11 48 5.65	43.791	+ 12.5	50.9	15 30 . .	. .	. .	. .
38	α Serpentis	11	39 2.20	+ 0.18	+11.80	32 6 6.45	44.389	+ 37.4	50.8	15 39 . .	. .	. .	. .
39	δ Ophiuchi	11	8 47.58	+ 0.18	+11.76	42 16 6.32	45.648	+ 53.9	51.8	16 8 . .	. .	. .	. .
40	β Herculis	11	25 37.47	+ 0.18	+11.76	17 8 5.72	45.720	+ 18.3	50.8	16 25 . .	. .	. .	. .
41	Venus I.	6	35 8.55	+ 0.17	+11.78	60 12 . .	. .	. .	. .	16 35 20.50	+ 0.37	. .	. .
42	Venus II. December 16, Br.	5	35 9.32	+ 0.17	+11.78		. .	. .	. .	16 35 21.27	- 0.40	. .	. .
43	Sun I, S.	11	37 7.90	+ 0.17	+11.74	62 26 5.35	49.398	+ 1 51.9	51.2	17 37 19.81	+71.21	- 23 38 6.5	. .
44	Sun II, N.	11	39 30.32	+ 0.17	+11.74	61 54 4.75	47.532	+ 1 49.4	51.2	17 39 42.23	-71.21	- 23 5 30.3	. .
45	α Lyrae	11	33 15.98	+ 0.18	+11.71	0 10 4.08	44.468	+ 0.2	51.7	18 33 . .	. .	. .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	' "	' "
10 6 2	29.850	50.0	49.2	2.	Bisections at C ₅ , C ₁ , B ₃ , B ₁ .	3	+ 7.9	+16 16.6	. .	+16 24.5
10 6 48	29.846	49.2	48.4	3, 43.	Bisections at I, II.	4	+ 7.9	-16 16.5	. .	-16 8.6
11 17 17	29.738	57.0	58.3	4, 44.	Bisections at VI, VII.	5	+ 6.6		0.0	+ 6.6
18 45	29.774	62.6	64.2	12.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	25	+ 4.8		. .	+ 4.8
20 45	29.770	64.0	64.2	16.	Bisections at I, II, VI.	28	+ 0.1		. .	+ 0.1
1 25	29.742	57.5	58.2	22, 29.	Bisections at II, VI, VII.	30	+ 34 37.1	+15 31.5	. .	+50 8.6
1 50	29.690	57.2	56.4	30.	Bisections at II, III, IV, V, VI.	43	+ 8.0	+16 18.0	. .	+16 26.0
12 7 43	29.806	40.6	38.7	36.	Bisections at D ₃ , D ₂ , D ₁ .	44	+ 7.9	-16 18.1	. .	-16 10.2
9 7	29.823	40.0	38.6							
15 0 58	29.739	44.8	44.5							
1 46	29.740	44.4	44.1							
4 28	29.745	42.7	42.8							
5 47	29.800	40.6	40.2							
11 10	29.835	35.8	34.4							
12 12	29.852	35.5	33.6							
13 26	29.851	34.5	33.3							
15 24	29.856	39.0	36.6							
16 2	29.864	41.5	39.4							
16 35	29.866	44.0	42.2							
16 17 40	29.834	47.2	46.2							
19 7	29.828	49.0	48.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	γ Cygni	11	18 21.25	+ 0.18	+11.66	358 56 4.20	42.552	- 1.0	51.3	20 18 . .	.	.	.
2	α Ursæ Minoris	5	21 54.40	- 1.81	[+11.62]	310 6 4.70	45.208	- 1 9.2	[51.3]	1 22 . .	.	.	.
3	o Piscium	11	39 50.13	+ 0.08	[+11.63]	30 12 6.58	44.155	+ 34.2	51.6	1 40 . .	.	.	.
4	ε Tauri	11	22 30.05	+ 0.08	+11.66	19 54 6.48	43.029	+ 21.2	51.2	4 22 . .	.	.	.
5	α Tauri	11	29 54.45	+ 0.09	+11.66	22 32 6.50	46.026	+ 24.3	51.3	4 30 . .	.	.	.
6	Hebe	11	47 15.39	+ 0.08	+11.64	40 10 5.62	44.381	+ 49.4	51.5	4 47 27.11	.	1 19 29.3	.
7	11 Orionis	11	58 34.99	+ 0.08	+11.58	23 34 6.55	47.690	+ 25.6	51.8	4 58 . .	.	.	.
8	β Orionis	11	9 28.47	+ 0.08	+11.69	47 10 5.88	42.408	+ 1 3.1	51.9	5 9 . .	.	.	.
9	Neptune C. C.	11	21 6.61	+ 0.08	+11.64	17 6 6.10	43.809	+ 18.1	51.5	5 21 18.33	.	+ 21 45 12.2	.
10	α Orionis	11	49 29.47	+ 0.09	+11.61	31 28 6.78	42.298	+ 35.9	50.1	5 49 . .	.	.	.
11	δ Crateris	11	14 3.67	+ 0.02	+11.64	53 4 5.25	43.141	+ 1 18.9	51.8	11 14 . .	.	.	.
12	τ Leonis	11	22 30.71	+ 0.05	+11.70	35 26 7.38	43.165	+ 42.3	52.1	11 22 . .	.	.	.
13	υ Leonis	11	31 32.77	+ 0.05	+11.63	39 6 7.45	45.006	+ 48.3	51.4	11 31 . .	.	.	.
14	Moon II, S.	11	51 12.89	+ 0.04	+11.65	43 44 6.52	48.281	+ 57.0	51.5	11 51 24.58	- 65.36	4 54 52.6	.
15	o Virginis	11	59 49.89	+ 0.06	+11.61	29 32 7.25	47.218	+ 33.8	51.7	12 0 . .	.	.	.
16	α Ursæ Minoris S. P. December 17, K.	1	21 53.54	- 1.36	[+11.61]	307 38 4.72	47.260	- 1 16.9	[55.9]	1 22 . .	.	.	.
17	β Corvi	11	28 50.49	+ 0.13	+11.49	61 40 6.38	42.364	+ 1 51.4	49.8	12 29 . .	.	.	.
18	Moon II, S.	11	42 31.04	+ 0.15	+11.39	49 50 8.02	35.564	+ 1 11.4	51.6	12 42 42.58	- 67.38	11 0 19.7	.
19	α Canum Venat.	11	51 4.30	+ 0.21	+11.39	359 58 5.70	48.900	+ 0.1	51.5	12 51 . .	.	.	.
20	γ Virginis	11	4 28.97	+ 0.16	+11.29	43 50 7.32	44.638	+ 57.9	52.0	13 4 . .	.	.	.
21	α Virginis	8	19 37.80	+ 0.15	+11.41	49 28 7.88	44.060	+ 1 10.5	53.2	13 19 . .	.	.	.
22	α Ursæ Minoris S. P. December 17, B.	4	21 54.02	- 2.37	[+11.35]	307 38 4.60	47.355	- 1 17.8	[54.0]	1 22 . .	.	.	.
23	β Libræ	11	11 19.30	+ 0.21	+11.27	47 50 6.42	46.578	+ 1 6.9	53.8	15 11 . .	.	.	.
24	α Serpentis	11	39 2.75	+ 0.21	+11.27	32 6 6.35	44.538	+ 38.0	53.7	15 39 . .	.	.	.
25	ε Serpentis	11	45 32.01	+ 0.21	+11.26	34 4 5.62	43.462	+ 41.0	53.6	15 45 . .	.	.	.
26	δ Ophiuchi	11	8 48.06	+ 0.21	+11.29	42 16 4.42	45.850	+ 55.0	54.6	16 8 . .	.	.	.
27	Venus I, S.	6	45 49.55	+ 0.20	+11.25	60 36 4.32	37.640	+ 1 47.2	53.9	16 46 1.00	+ 0.45	- 21 47 29.1	.
28	Venus II, N. December 18, B.	5	45 50.48	+ 0.20	+11.25	60 36 4.32	37.015	+ 1 47.1	53.9	16 46 1.93	- 0.48	- 21 47 17.1	.
29	Sun I, S.	11	46 1.02	+ 0.20	+11.23	62 30 4.68	48.238	+ 1 55.6	53.9	17 46 12.45	+ 71.14	- 23 41 44.6	.
30	Sun II, N.	11	48 23.30	+ 0.20	+11.23	61 58 5.68	46.340	+ 1 53.0	53.9	17 48 34.73	- 71.14	- 23 9 9.3	.
31	δ Ursæ Minoris	3	4 32.10	+ 0.27	[+11.24]	312 16 . .	.	.	.	18 4 . .	.	.	.
32	ε Aquilæ	3	0 31.27	+ 0.21	+11.20	25 8 6.18	45.070	+ 28.3	54.0	19 0 . .	.	.	.
33	γ Virginis	11	4 29.07	+ 0.21	+11.17	43 50 7.28	44.601	+ 59.6	52.8	13 4 . .	.	.	.
34	α Virginis	11	19 37.99	+ 0.21	+11.19	49 28 7.65	43.994	+ 1 12.6	52.3	13 19 . .	.	.	.
35	α Ursæ Minoris S. P.	5	21 51.04	+ 0.04	[+11.17]	307 38 16.00	46.790	- 1 20.1	[53.3]	1 22 . .	.	.	.
36	ε Virginis	11	29 18.58	+ 0.22	+11.16	38 54 14.05	47.400	+ 50.2	54.3	13 29 . .	.	.	.
37	Moon II, S.	11	37 34.22	+ 0.21	+11.17	55 34 14.65	48.006	+ 1 30.6	52.7	13 37 45.60	- 70.17	- 16 45 27.8	.
38	η Bootis	11	49 38.42	+ 0.22	+11.18	19 56 8.28	46.186	+ 22.6	52.0	13 49 . .	.	.	.
39	α Bootis December 23, B.	11	10 49.16	+ 0.22	+11.15	19 8 8.45	45.406	+ 21.6	52.2	14 11 . .	.	.	.
40	η Tauri	11	41 18.32	+ 0.32	+ 8.69	15 4 5.50	42.688	+ 16.4	49.5	3 41 . .	.	.	.
41	ε Persei	11	47 36.30	+ 0.30	+ 8.80	7 16 5.22	44.819	+ 7.8	50.3	3 47 . .	.	.	.
42	γ Tauri	11	13 52.29	+ 0.33	+ 8.82	23 28 6.40	43.898	+ 26.5	50.5	4 13 . .	.	.	.
43	Hebe	11	41 28.63	+ 0.35	+ 8.85	39 14 7.28	43.681	+ 49.9	50.6	4 41 37.83	.	- 0 23 19.0	.
44	Neptune C. C.	11	20 18.78	+ 0.32	+ 8.85	17 6 6.42	45.981	+ 18.9	50.6	5 20 27.95	.	+ 21 44 28.6	.
45	δ Orionis	11	26 40.67	+ 0.35	+ 8.91	39 12 . .	.	.	.	5 26 . .	.	.	.
46	α Orionis	11	49 31.92	+ 0.34	+ 8.99	31 28 5.82	42.389	+ 37.5	51.7	5 49 . .	.	.	.

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°					' "	' "	"	' "
16	20	25	29.834	50.4	49.3	2.	Bisections at C ₁ , C ₃ , C ₅ .	6	+	4.8	.	.	+ 4.8
	0	48	29.900	46.5	46.2	8, 15, 28.	Bisections at II, VI.	9	+	0.1	.	.	+ 0.1
	1	46	29.910	46.5	46.3	14, 18, 37.	Bisections at II, III, IV, V, VI.	14	+	39 46.9	+ 15 45.3	.	+ 55 32.2
	4	27	29.982	48.5	49.0	16.	Bisection at D ₃ .	18	+	44 40.1	+ 16 0.0	.	+ 60 40.1
	6	7	29.990	47.8	47.3	18, 27, 28.	Z. D. thread A used.	27	+	4.7	+ 6.0	.	+ 10.7
	11	0	29.998	42.5	41.9	19, 21, 30.	Bisections at VI, VII.	28	+	4.7	+ 6.0	0.0	- 1.3
	12	8	30.010	41.7	40.3	22.	Bisections at D ₃ , D ₅ , C ₅ .	29	+	8.0	+ 16 17.6	.	+ 16 25.6
	13	54	30.044	41.8	40.3	27.	Bisections at I, VII.	30	+	7.9	+ 16 17.6	.	- 16 9.7
	17	29	29.990	37.0	34.4	29.	Bisections at I, II.	37	+	48 58.4	+ 16 14.7	.	+ 65 13.1
	13	24	29.940	35.7	33.1	32.	Bisection at I.	43	+	4.5	.	.	+ 4.5
	15	15	30.046	35.8	32.7	35.	Bisections at C ₂ , C ₁ .	44	+	0.1	.	.	+ 0.1
	16	0	30.062	36.0	33.5								
	17	10	30.040	35.5	33.7								
	18	17	30.008	37.0	34.5								
	19	5	30.052	37.0	34.4								
	12	55	30.152	24.8	23.3								
	13	45	30.160	24.8	22.5								
	14	50	29.626	26.2	24.5								
23	3	30	29.652	26.0	24.3								
	4	20	29.652	25.0	23.3								
	5	35	29.682	24.2	21.8								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.				CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instrum.	Clock.									
			m s	s	s	° ' "	rev.	' "	' "	' "	h m s	s	° ' "	' "
1	δ Ursæ Minoris S. P.	10	4 32.26	+ 1.83	[+ 8.93]	305 30 3.70	42.830	- 1 25.5	[51.2]	18 4 . .				
2	μ Geminorum December 23, K.	11	16 40.67	+ 0.32	+ 8.91	16 16 5.92	47.566	+ 18.0	51.2	6 16 . .				
3	α Serpentis	11	39 5.25	+ 0.42	+ 8.71	32 6 5.90	44.420	+ 39.3	51.0	15 39 . .				
4	ε Serpentis	11	45 34.53	+ 0.42	+ 8.66	34 4 7.05	43.175	+ 42.4	51.2	15 45 . .				
5	ζ Ursæ Minoris	6	47 27.02	+ 0.25	[+ 9.26]	320 46 9.78	44.030	- 51.0	[50.5]	15 47 . .				
6	δ Ophiuchi	10	8 50.62	+ 0.43	+ 8.64	42 16 7.25	45.420	+ 56.9	51.6	16 8 . .				
7	β Herculis	11	25 40.47	+ 0.40	+ 8.66	17 8 2.55	45.948	+ 19.4	50.9	16 25 . .				
8	Venus C, C. December 24, K.	11	18 14.99	+ 0.47	+ 8.63	61 36 5.12	45.066	+ 1 55.0	51.4	17 18 24.09	- 0.01	22 46 47.4		
9	Sun I, S.	11	12 42.95	+ 0.47	+ 8.60	62 30 6.75	46.325	+ 1 59.1	51.4	18 12 52.02	+ 71.26	- 23 41 15.9		
10	Sun II, N.	11	15 5.48	+ 0.47	+ 8.60	61 58 3.50	44.690	+ 1 56.4	51.4	18 15 14.55	- 71.27	- 23 8 41.5		
11	δ Aquilæ	11	20 11.90	+ 0.42	+ 8.57	35 56 6.52	44.151	+ 44.9	52.1	19 20 . .				
12	Mercury I, C.	11	37 59.70	+ 0.47	+ 8.56	61 14 6.82	45.124	+ 1 52.4	51.4	19 38 8.73	+ 0.27	- 22 24 47.7		
13	γ Aquilæ	8	41 15.18	+ 0.42	+ 8.54	28 28 6.82	47.122	+ 33.6	51.5	19 41 . .				
14	α Aquilæ	11	45 38.95	+ 0.42	+ 8.58	30 14 7.68	46.755	+ 36.1	51.1	19 45 . .				
15	β Aquilæ	11	50 8.80	+ 0.42	+ 8.54	32 42 7.32	42.909	+ 39.7	51.5	19 50 . .				
16	Hebe	11	40 44.65	+ 0.43	+ 8.49	39 4 8.28	47.081	+ 51.0	51.8	4 40 53.57		0 14 25.1		
17	ι Aurigæ	11	50 14.76	+ 0.38	+ 8.45	5 50 6.02	46.851	+ 6.5	51.1	4 50 . .				
18	ιι Orionis	11	58 37.87	+ 0.41	+ 8.42	23 34 8.62	47.519	+ 27.5	52.1	4 58 . .				
19	β Orionis	11	9 31.31	+ 0.38	+ 8.59	47 10 7.10	42.155	+ 1 7.9	51.6	5 9 . .				
20	Neptune C, C.	11	20 12.08	+ 0.40	+ 8.49	17 6 5.68	46.206	+ 19.5	51.8	5 20 20.98		+ 21 44 25.6		
21	ν Orionis	11	1 38.39	+ 0.41	+ 8.50	24 4 8.32	44.196	+ 28.2	52.5	6 1 . .				
22	δ Ursæ Minoris S. P. December 26, L.	5	4 33.11	+ 1.30	[+ 8.51]	305 30 8.70	42.753	- 1 27.9	[52.7]	18 4 . .				
23	α Serpentis	11	39 7.35	+ 0.41	+ 6.69	32 6 5.25	44.552	+ 37.8	50.8	15 39 . .				
24	ε Serpentis	11	45 36.69	+ 0.41	+ 6.59	34 4 5.65	43.446	+ 40.7	51.3	15 45 . .				
25	δ Scorpii	11	54 10.80	+ 0.48	+ 6.59	61 10 5.22	42.605	+ 1 49.0	50.5	15 54 . .				
26	δ Ophiuchi	11	8 52.79	+ 0.43	+ 6.55	42 16 5.22	45.688	+ 54.6	50.5	16 8 . .				
27	Venus I, C.	6	34 37.22	+ 0.48	+ 6.56	61 56 3.55	46.712	+ 1 52.2	50.4	17 34 44.26	+ 0.38	- 23 7 15.6		
28	Venus II. December 27, L.	5	34 38.00	+ 0.48	+ 6.56					17 34 45.04	- 0.40			
29	Sun I, N.	11	26 4.55	+ 0.49	+ 6.53	61 52 5.40	43.185	+ 1 51.4	50.3	18 26 11.57	+ 71.20	- 23 2 7.7		
30	Sun II, S.	11	28 26.95	+ 0.49	+ 6.53	62 24 5.30	44.578	+ 1 54.0	50.3	18 28 33.97	- 71.20	- 23 34 39.8		
31	Mercury I, C.	11	42 28.28	+ 0.48	+ 6.49	60 18 5.40	44.792	+ 1 44.6	50.0	19 42 35.25	+ 0.29	- 21 28 33.5		
32	α Aquilæ	11	45 41.03	+ 0.40	+ 6.53	30 14 5.12	46.914	+ 34.9	49.9	19 45 . .				
33	β Aquarii	11	26 4.51	+ 0.44	+ 6.44	44 52 5.80	42.806	+ 59.6	49.1	21 26 . .				
34	ε Pegasi	11	39 3.67	+ 0.40	+ 6.44	29 26 6.05	45.065	+ 33.9	49.6	21 39 . .				
35	Moon I, S.	11	6 43.49	+ 0.46	+ 6.42	48 10 5.92	47.654	+ 1 7.0	49.5	22 6 50.37	+ 66.67	- 9 20 52.0		
36	η Aquarii	10	11 20.49	+ 0.44	+ 6.39	47 8 5.90	43.436	+ 1 4.6	50.1	22 11 . .				
37	ιι Orionis	11	58 40.12	+ 0.37	+ 6.23	23 34 6.88	47.580	+ 26.8	50.7	4 58 . .				
38	Neptune C, C.	11	19 53.41	+ 0.35	+ 6.16	17 6 5.60	47.104	+ 18.9	49.6	5 19 59.92		+ 21 44 6.9		
39	δ Orionis	11	26 43.43	+ 0.41	+ 6.11	39 12 7.22	47.178	+ 47.7	49.2	5 26 . .				
40	ε Orionis	11	30 57.95	+ 0.42	+ 6.11	40 6 6.20	45.690	+ 49.3	48.5	5 31 . .				
41	ν Orionis	11	1 40.79	+ 0.37	+ 6.17	24 4 6.25	44.215	+ 27.4	49.9	6 1 . .				
42	δ Ursæ Minoris S. P. December 27, La.	5	4 33.27	+ 3.35	[+ 6.13]	305 30 2.75	42.850	- 1 25.4	[52.0]	18 4 . .				
43	α Coronæ Borealis	11	30 15.25	+ 0.28	+ 6.35	11 48 4.42	44.018	+ 12.9	51.0	15 30 . .				
44	α Serpentis	11	39 7.92	+ 0.29	+ 6.27	32 6 5.18	44.551	+ 38.7	51.4	15 39 . .				
45	δ Ophiuchi	11	8 53.19	+ 0.29	+ 6.31	42 16 4.08	45.752	+ 56.0	51.9	16 8 . .				

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h	m	in.	°	°				' "	' "	' "	' "
23	6	25	29.688	23.6	21.1	1.	Bisections at C ₅ , C ₃ , C ₂ , C ₁ .	8	+ 4.7		0.0	+ 4.7
	15	39	30.014	19.2	16.6	3.	Bisections at II, VI.	9	+ 8.0	+ 16 17.1		+ 16 25.1
	16	26	30.020	21.0	17.7	4, 6, 10, 30.	Bisections at VI, VII.	10	+ 7.9	- 16 17.2		- 16 9.3
24	17	18	30.014	22.2	18.8	5.	Bisection at V.	12	+ 8.6		+ 0.2	+ 8.8
	18	15	30.021	23.6	20.5	9, 29.	Bisections at I, II.	16	+ 4.5			+ 4.5
	19	20	30.036	25.0	22.5	22.	Bisections at C ₅ , C ₃ , C ₁ .	20	+ 0.1			+ 0.1
	19	50	30.040	26.0	23.0	35.	Bisections at II, III, IV, V, VI.	27	+ 4.7		0.0	+ 4.7
	4	41	30.176	18.8	17.7	42.	Bisections at C ₂ , C ₁ .	29	+ 7.9	- 16 16.0		- 16 8.1
26	15	48	29.834	33.0	32.8			30	+ 8.0	+ 16 16.0		+ 16 24.0
	16	7	29.838	33.8	33.4			31	+ 9.3		+ 0.4	+ 9.7
27	17	37	29.840	36.0	34.8			35	+ 43 19.6	+ 15 55.0		+ 59 14.6
	18	28	29.830	37.5	36.0			38	+ 0.1			+ 0.1
	19	48	29.828	37.0	35.6							
	21	28	29.850	36.2	35.4							
	22	12	29.862	35.3	34.4							
	5	0	29.966	28.0	26.8							
	5	56	29.966	27.0	26.4							
	15	30	30.140	27.4	25.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Scorpii	11	23 2.34	+ 0.29	+ 6.25	65 2 4.98	42.901	+ 2 11.6	51.6	16 23 . . .	. . .		. . .
2	Venus I, C.	5	40 5.56	+ 0.29	+ 6.26	62 2 5.58	44.606	+ 1 55.1	51.1	17 40 12.11	+ 0.35	- 23 12 39.5	. . .
3	Venus II.	6	40 6.28	+ 0.29	+ 6.26		. . .	. . .	. . .	17 40 12.83	- 0.37		. . .
4	δ Ursæ Minoris	10	4 36.27	+ 0.21	[+ 6.26]	312 16 . . .	. . .	. . .	. . .	18 4 . . .	. . .		. . .
	December 28, La.												
5	Sun I, S.	11	30 30.87	+ 0.29	+ 6.25	62 20 4.68	47.460	+ 1 56.0	51.1	18 30 37.41	+ 71.29	- 23 31 32.7	. . .
6	Sun II, N.	11	32 53.45	+ 0.29	+ 6.25	61 48 4.58	45.572	+ 1 53.4	51.1	18 32 59.99	- 71.29	- 22 58 56.8	. . .
7	Mercury I, C.	10	42 29.99	+ 0.29	+ 6.23	60 0 4.70	46.338	+ 1 45.2	51.1	19 42 36.51	+ 0.30	- 21 11 2.4	. . .
8	α Aquilæ	11	45 41.47	+ 0.29	+ 6.20	30 14 3.05	46.990	+ 35.5	49.8	19 45 . . .	. . .		. . .
9	ε Pegasi	11	39 4.04	+ 0.28	+ 6.18	29 26 3.85	45.240	+ 34.3	51.0	21 39 . . .	. . .		. . .
10	α Aquarii	11	0 26.32	+ 0.29	+ 6.23	39 40 4.18	42.482	+ 50.4	50.7	22 0 . . .	. . .		. . .
11	ζ Pegasi	11	36 16.24	+ 0.28	+ 6.18	28 32 3.35	46.830	+ 33.1	51.6	22 36 . . .	. . .		. . .
12	Moon I, S.	11	57 6.76	+ 0.30	+ 6.18	42 4 8.30	47.003	+ 54.9	51.1	22 57 13.24	+ 64.76	- 3 14 28.2	. . .
13	γ Tauri	11	13 55.05	+ 0.30	+ 6.09	23 28 6.55	43.972	+ 26.8	52.2	4 14 . . .	. . .		. . .
14	ε Tauri	11	22 35.41	+ 0.30	+ 6.12	19 54 6.85	42.954	+ 22.4	51.3	4 22 . . .	. . .		. . .
15	ι Aurigæ	11	50 17.27	+ 0.30	+ 6.03	5 50 7.75	46.792	+ 6.4	51.9	4 50 . . .	. . .		. . .
16	Neptune C, C.	11	19 46.52	+ 0.30	+ 6.08	17 6 4.28	47.510	+ 19.0	51.8	5 19 52.90	. . .	+ 21 44 2.5	. . .
17	ε Orionis	11	30 58.13	+ 0.29	+ 6.07	40 6 5.75	45.778	+ 52.0	52.3	5 31 . . .	. . .		. . .
18	α Orionis	11	49 34.86	+ 0.30	+ 6.14	31 28 4.15	42.476	+ 37.7	51.4	5 49 . . .	. . .		. . .
19	δ Ursæ Minoris S. P.	3	4 36.62	+ 0.04	[+ 6.08]	305 30 . . .	. . .	. . .	. . .	18 4 . . .	. . .		. . .
	December 28, S.												
20	κ Ophiuchi	11	52 44.11	+ 0.46	+ 5.45	29 18 5.48	47.150	+ 34.1	51.5	16 52 . . .	. . .		. . .
21	α Ophiuchi	11	30 5.50	+ 0.45	+ 5.52	26 12 5.08	47.266	+ 29.8	52.5	17 30 . . .	. . .		. . .
22	Venus I, C.	5	45 34.36	+ 0.56	+ 5.47	62 6 4.25	46.965	+ 1 53.7	52.1	17 45 40.39	+ 0.41	- 23 17 21.0	. . .
23	Venus II.	6	45 35.20	+ 0.56	+ 5.47		. . .	. . .	. . .	17 45 41.23	- 0.43		. . .
	December 29, S.												
24	Sun I, S.	11	34 57.54	+ 0.56	+ 5.44	62 16 6.18	48.690	+ 1 53.8	52.1	18 35 3.54	+ 71.14	- 23 27 54.6	. . .
25	Sun II, N.	11	37 19.81	+ 0.56	+ 5.44	61 44 3.80	47.075	+ 1 51.3	52.1	18 37 25.81	- 71.13	- 22 55 21.7	. . .
26	Mercury C, C.	11	41 43.85	+ 0.55	+ 5.41	59 44 4.42	45.186	+ 1 41.8	52.1	19 41 49.81	+ 0.17	- 20 54 35.1	. . .
27	α Aquilæ	11	45 42.06	+ 0.46	+ 5.44	30 14 4.70	47.072	+ 34.7	52.0	19 45 . . .	. . .		. . .
28	ε Pegasi	11	39 4.72	+ 0.46	+ 5.32	29 26 5.35	45.274	+ 33.5	52.3	21 39 . . .	. . .		. . .
	December 29, L.												
29	α Serpentis	11	39 9.46	+ 0.36	+ 4.71	32 6 5.50	44.656	+ 36.9	51.5	15 39 . . .	. . .		. . .
30	ε Serpentis	11	45 38.64	+ 0.36	+ 4.77	34 4 5.85	43.565	+ 39.8	52.2	15 45 . . .	. . .		. . .
31	δ Scorpii	11	54 12.86	+ 0.41	+ 4.69	61 10 3.95	42.889	+ 1 46.4	51.8	15 54 . . .	. . .		. . .
32	δ Ophiuchi	11	8 54.76	+ 0.38	+ 4.70	42 16 4.32	45.905	+ 53.4	52.0	16 8 . . .	. . .		. . .
33	Venus I, S.	6	51 3.97	+ 0.42	+ 4.61	62 8 4.12	43.682	+ 1 49.2	53.7	17 51 9.00	+ 0.49	- 23 21 26.9	. . .
34	Venus II, N.	5	51 4.98	+ 0.42	+ 4.61	62 8 4.12	42.970	+ 1 49.2	53.7	17 51 10.01	- 0.52	- 23 21 13.4	. . .
35	δ Ursæ Minoris	8	4 39.46	- 1.33	[+ 4.63]	312 16 . . .	. . .	. . .	. . .	18 4 . . .	. . .		. . .
	December 30, L.												
36	Sun I, S.	11	39 24.09	+ 0.42	+ 4.56	62 12 6.45	48.948	+ 1 48.6	54.5	18 39 29.07	+ 71.23	- 23 23 52.2	. . .
37	Sun II, N.	11	41 46.55	+ 0.42	+ 4.56	61 40 6.35	46.975	+ 1 46.1	54.5	18 41 51.53	- 71.23	- 22 51 14.8	. . .
38	Mercury C, C.	11	40 8.31	+ 0.41	+ 4.50	59 28 3.40	48.255	+ 1 36.8	55.4	19 40 13.22	+ 0.18	- 20 39 24.7	. . .
39	α Aquilæ	11	45 43.09	+ 0.36	+ 4.52	30 14 4.35	47.309	+ 33.4	54.8	19 45 . . .	. . .		. . .
40	ζ Cygni	11	8 30.41	+ 0.31	+ 4.42	9 2 3.40	46.472	+ 9.1	56.3	21 8 . . .	. . .		. . .
41	β Aquarii	11	26 6.62	+ 0.38	+ 4.39	44 52 3.68	43.514	+ 56.7	57.4	21 26 . . .	. . .		. . .
42	ε Aquarii	11	32 14.60	+ 0.39	+ 4.40	47 8 4.08	48.005	+ 1 1.3	58.0	21 32 . . .	. . .		. . .
43	α Andromedæ	11	3 2.74	+ 0.28	+ 4.42	10 20 4.58	42.392	+ 10.6	56.1	0 3 . . .	. . .		. . .
44	γ Pegasi	11	7 55.02	+ 0.31	+ 4.35	24 14 6.15	43.764	+ 26.1	55.9	0 7 . . .	. . .		. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
27 16 23	30.144	29.4	26.9	5, 24, 36.	Bisections at I, II.	2	+ 4.7	. . .	0.0	+ 4.7
17 40	30.124	31.2	28.9	6, 25, 37.	Bisections at VI, VII.	5	+ 8.0	+ 16 17.9	. . .	+ 16 25.9
28 18 33	30.094	32.0	30.5	7.	Bisections at I, VI, VII.	6	+ 7.9	- 16 17.9	. . .	- 16 10.0
19 35	30.084	32.8	31.2	12.	Bisections at III, IV, V.	7	+ 9.5	. . .	+ 0.4	+ 9.9
21 26	30.086	33.6	32.2	33, 34.	Z. D. thread A used.	12	+ 38 16.5	+ 15 38.7	. . .	+ 53 55.2
22 0	30.090	33.4	32.2	33.	Bisections at I, VII.	16	+ 0.1	. . .	. . .	+ 0.1
22 57	30.098	32.6	31.9	34.	Bisections at II, VI.	22	+ 4.7	. . .	0.0	+ 4.7
4 14	30.100	26.7	24.9			24	+ 8.0	+ 16 16.4	. . .	+ 16 24.4
5 20	30.096	26.7	25.2			25	+ 7.9	- 16 16.4	. . .	- 16 8.5
6 5	30.074	26.6	25.4			26	+ 9.7	. . .	+ 0.5	+ 10.2
16 56	29.976	31.8	30.7			33	+ 4.7	+ 6.8	. . .	+ 11.5
18 37	29.900	36.0	35.7			34	+ 4.7	- 6.7	0.0	- 2.0
19 54	29.842	39.4	38.6			36	+ 7.9	+ 16 18.7	. . .	+ 16 26.6
21 45	29.792	39.9	39.3			37	+ 7.9	- 16 18.7	. . .	- 16 10.8
22 42	29.630	39.9	40.1			38	+ 10.0	. . .	+ 0.6	+ 10.6
15 12	29.650	42.8	41.5							
16 12	29.620	42.8	42.6							
17 47	29.587	50.8	51.9							
18 42	29.574	52.5	53.2							
19 49	29.574	52.5	53.2							
21 30	29.580	55.0	55.5							
23 59	29.620	50.0	49.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT. ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
CLAMP EAST.													
	January 3, L.		m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	γ Tauri	11	41 26.95	+ 0.36	— 0.02	15 4 5.05	42.630	+ 16.4	47.9	3 41 . .	.	.	.
2	Moon I, S.	11	50 35.15	+ 0.36	— 0.04	14 40 5.58	45.360	+ 16.0	48.9	3 50 35.47	+67.32	+ 24 10 42.7	.
3	γ Tauri	11	14 1.06	+ 0.38	— 0.01	23 28 6.15	43.841	+ 26.5	48.9	4 14 . .	.	.	.
4	11 Orionis	11	58 46.45	+ 0.38	— 0.09	23 34 6.15	47.594	+ 26.7	49.7	4 58 . .	.	.	.
5	Neptune C, C.	11	19 12.24	+ 0.36	— 0.11	17 8 5.55	42.682	+ 18.9	48.9	5 19 12.49	.	+ 21 43 31.0	.
6	δ Orionis	11	26 49.72	+ 0.43	— 0.17	39 12 7.82	47.069	+ 49.9	49.1	5 26 . .	.	.	.
7	δ Ursæ Minoris S. P.	8	4 40.53	+ 3.20	[— 0.83]	305 30 4.22	42.542	— 1 25.4	[50.1]	18 4 . .	.	.	.
January 3, Br.													
8	δ Ophiuchi	8	9 0.59	+ 0.46	— 1.08	42 16 5.18	45.632	+ 55.8	49.3	16 8 . .	.	.	.
9	β Herculis	11	25 50.42	+ 0.39	— 1.04	17 8 4.32	45.919	+ 18.9	48.7	16 25 . .	.	.	.
10	γ Herculis	11	39 23.96	+ 0.34	— 1.09	359 44 3.42	46.301	— 0.2	50.1	16 39 . .	.	.	.
11	ε Ursæ Minoris	6	56 16.54	— 0.51	[— 4.43]	316 40 . .	.	.	.	16 56 . .	.	.	.
12	α Ophiuchi	11	30 12.35	+ 0.42	— 1.19	26 12 5.80	47.148	+ 29.9	49.8	17 30 . .	.	.	.
13	Venus C.				.	62 20 3.82	44.015	+ 1 54.1	50.0	18 18 . .	.	— 23 30 25.1	.
January 4, Br.													
14	Sun I, N.	11	1 33.01	+ 0.50	— 1.32	61 14 4.18	43.025	+ 1 48.0	50.0	19 1 32.19	+70.91	— 22 24 0.2	.
15	Sun II, S.	10	3 54.82	+ 0.50	— 1.32	61 46 8.55	44.505	+ 1 50.4	50.0	19 3 54.00	—70.90	— 22 56 38.5	.
16	α Aquilæ	11	45 48.95	+ 0.43	— 1.39	30 14 4.65	46.990	+ 34.6	49.4	19 45 . .	.	.	.
17	β Aquarii	10	26 12.44	+ 0.46	— 1.53	44 52 3.92	43.061	+ 58.6	50.7	21 26 . .	.	.	.
18	ε Pegasi	11	39 11.63	+ 0.42	— 1.58	29 26 4.78	45.298	+ 33.2	51.1	21 39 . .	.	.	.
19	α Aquarii	11	0 33.96	+ 0.45	— 1.60	39 40 4.70	42.566	+ 48.8	50.7	22 0 . .	.	.	.
20	α Tauri	11	30 7.97	+ 0.39	— 2.12	22 32 5.65	46.048	+ 24.8	50.9	4 30 . .	.	.	.
21	Moon I, S.	11	44 23.74	+ 0.37	— 2.17	13 15 59.50	47.862	+ 14.2	50.7	4 44 21.94	+68.13	+ 25 34 4.4	.
22	11 Orionis	11	58 48.55	+ 0.39	— 2.20	23 34 5.60	47.690	+ 26.1	50.4	4 58 . .	.	.	.
23	β Orionis	11	9 42.06	+ 0.45	— 2.20	47 10 4.92	42.526	+ 1 4.4	51.3	5 9 . .	.	.	.
24	Neptune C, C.	11	19 7.79	+ 0.38	— 2.22	17 8 5.25	43.024	+ 18.5	50.7	5 19 5.95	.	+ 21 43 27.0	.
25	δ Orionis	11	26 51.83	+ 0.43	— 2.28	39 12 5.35	47.265	+ 48.8	50.5	5 26 . .	.	.	.
26	α Orionis	11	49 43.15	+ 0.41	— 2.22	31 28 5.20	42.485	+ 36.6	50.6	5 49 . .	.	.	.
27	δ Ursæ Minoris S. P.	5	4 41.41	+ 2.68	[— 1.19]	305 30 2.98	42.527	— 1 23.4	[50.8]	18 4 . .	.	.	.
January 4, S.													
28	α Serpentis	11	39 17.21	+ 0.39	— 2.90	32 6 4.42	44.636	+ 37.8	49.7	15 39 . .	.	.	.
29	ε Serpentis	11	45 46.48	+ 0.40	— 2.95	34 4 4.10	43.547	+ 40.7	50.5	15 45 . .	.	.	.
30	δ Scorpii	11	54 20.66	+ 0.47	— 3.00	61 10 3.45	42.711	+ 1 48.9	50.0	15 54 . .	.	.	.
31	β Scorpii	11	59 32.95	+ 0.46	— 3.08	58 22 2.95	42.420	+ 1 37.3	50.3	15 59 . .	.	.	.
32	δ Ursæ Minoris	11	4 47.41	— 1.83	[— 2.68]	312 16 7.18	43.529	— 1 5.2	[50.3]	18 4 . .	.	.	.
33	Venus I, C.	6	24 7.68	+ 0.47	— 3.18	62 20 3.45	42.936	+ 1 53.2	50.9	18 24 4.97	+ 0.36	— 23 30 3.6	.
34	Venus II.	5	24 8.42	+ 0.47	— 3.18	.	.	.	.	18 24 5.71	— 0.38	.	.
January 5, S.													
35	Sun I, S.	11	5 58.49	+ 0.47	— 3.24	61 38 4.72	48.608	+ 1 49.6	51.0	19 5 55.72	+70.75	— 22 49 48.4	.
36	Sun II, N.	11	8 19.99	+ 0.47	— 3.24	61 6 5.48	46.800	+ 1 47.2	51.0	19 8 17.22	—70.75	— 22 17 15.2	.
37	γ Aquilæ	11	41 27.10	+ 0.38	— 3.28	28 28 6.20	47.272	+ 32.1	50.8	19 41 . .	.	.	.
38	α Aquilæ	11	45 50.92	+ 0.39	— 3.31	30 14 4.02	47.132	+ 34.5	51.3	19 45 . .	.	.	.
39	ε Delphini	11	28 23.05	+ 0.38	— 3.37	27 54 4.00	42.666	+ 31.3	52.2	20 28 . .	.	.	.
40	1 Pegasi	11	17 24.85	+ 0.36	— 3.38	19 28 3.45	47.074	+ 20.8	51.3	21 17 . .	.	.	.
41	11 Orionis	11	58 50.42	+ 0.27	— 3.95	23 34 3.88	47.730	+ 26.3	49.6	4 58 . .	.	.	.
42	Neptune C, C.	11	19 3.22	+ 0.26	— 3.99	17 8 4.02	43.321	+ 18.6	50.0	5 18 59.49	.	+ 21 43 21.7	.
43	δ Orionis	11	26 53.78	+ 0.28	— 4.08	39 12 4.65	47.369	+ 49.1	50.5	5 26 . .	.	.	.
44	Moon I, N.	11	39 8.39	+ 0.27	— 4.01	12 42 4.42	40.808	+ 13.6	50.0	5 39 4.65	+68.35	+ 26 10 14.6	.
45	α Orionis	11	49 45.06	+ 0.28	— 3.99	31 28 4.55	42.450	+ 36.9	49.8	5 49 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				/' "	/' "	"	/' "
3 3 44	29.936	29.2	28.5	2, 21, 44.	Bisections at III, IV, V.	2	+13 33.5	+14 45.1	.	+28 18.6
4 57	29.950	28.0	27.4	7.	Bisections at C, C ₁ , C ₂ .	5	+ 0.1	.	.	+ 0.1
5 59	29.950	27.1	26.5	12, 45.	Bisections at II, VI.	13	+ 4.7	.	0.0	+ 4.7
16 11	29.900	26.5	24.4	13, 14, 35.	Bisections at I, II.	14	+ 7.9	—16 19.2	.	—16 11.3
17 2	29.900	29.2	27.0	15, 25, 36.	Bisections at VI, VII.	15	+ 7.9	+16 19.1	.	+16 27.0
17 36	29.894	32.2	30.8	26.	Bisections at I, II, VII.	21	+12 17.2	+14 44.9	.	+27 2.1
18 27	29.818	.	35.3	27.	Bisections at C, C ₁ , C ₂ .	24	+ 0.1	.	.	+ 0.1
19 3	29.782	37.1	39.4	29, 37.	Bisections at II, VI, VII.	33	+ 4.7	.	0.0	+ 4.7
19 52	29.746	41.0	41.3	32.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	35	+ 7.9	+16 16.6	.	+16 24.5
22 0	29.744	42.8	42.1			36	+ 7.9	—16 16.6	.	—16 8.7
4 24	29.736	34.5	34.5			42	+ 0.1	.	.	+ 0.1
5 38	29.736	34.5	34.5			44	+11 45.4	—14 46.7	.	— 3 1.3
6 16	29.740	33.8	34.4							
15 37	29.951	33.9	34.8							
16 6	29.965	35.6	35.8							
18 14	29.980	39.8	39.8							
5 19 8	29.968	41.2	42.1							
20 31	29.972	44.2	44.8							
21 22	29.978	45.6	46.2							
4 49	29.989	36.9	36.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	γ Orionis	11	m s 1 51.14	+ 0.27	- 4.01	24 4 5.00	44.340	+ 26.9	50.1	6 1 . .	.	.	.
2	δ Ursæ Minoris s. p. January 6, K	7	4 44.54	+ 1.21	[- 2.85]	305 30 8.38	42.196	- 1 24.0	[49.6]	18 4 . .	.	.	.
3	α Scorpii	11	23 15.39	+ 0.32	- 6.54	65 2 4.38	43.095	+ 2 7.2	49.9	16 23 . .	.	.	.
4	β Herculis	11	25 56.13	+ 0.34	- 6.62	17 8 4.72	45.994	+ 18.4	49.2	16 25 . .	.	.	.
5	ζ Ophiuchi	11	31 38.70	+ 0.32	- 6.52	49 12 7.38	43.966	+ 1 8.8	50.1	16 31 . .	.	.	.
6	κ Ophiuchi	11	52 56.45	+ 0.33	- 6.56	29 18 6.12	47.144	+ 33.4	49.5	16 52 . .	.	.	.
7	δ Ursæ Minoris	8	4 50.16	+ 0.89	[- 8.13]	312 16 8.95	43.492	- 1 4.9	[51.1]	18 4 . .	.	.	.
8	Venus C, C.	11	35 10.46	+ 0.32	- 6.69	62 16 4.92	46.325	+ 1 52.3	50.4	18 35 4.09	0.00	- 23 27 9.7	.
January 7, K													
9	Sun I, S.	11	14 47.35	+ 0.32	- 6.74	61 24 4.95	45.878	+ 1 48.2	50.6	19 14 40.93	+ 70.65	- 22 34 55.2	.
10	Sun II, N.	11	17 8.64	+ 0.32	- 6.74	60 52 8.12	43.822	+ 1 45.8	50.6	19 17 2.22	- 70.64	- 22 2 19.8	.
11	ι Pegasi	11	17 28.36	+ 0.34	- 6.88	19 28 7.48	46.810	+ 20.9	50.1	21 17 . .	.	.	.
12	β Aquarii	11	26 17.98	+ 0.33	- 6.94	44 52 7.58	42.918	+ 58.5	51.3	21 26 . .	.	.	.
13	ϵ Pegasi	11	39 16.97	+ 0.33	- 6.84	29 26 7.05	45.252	+ 33.3	52.2	21 39 . .	1	.	.
14	α Aquarii	11	0 39.37	+ 0.33	- 6.90	39 40 5.45	42.595	+ 48.8	51.8	22 0 . .	.	.	.
15	Neptune C, C.	11	18 53.80	+ 0.32	- 7.30	17 8 4.30	43.802	+ 18.4	49.8	5 18 46.82	.	+ 21 43 12.2	.
16	Amphitrite	11	25 33.69	+ 0.31	- 7.31	5 44 3.25	49.012	+ 6.1	49.8	5 25 26.69	.	+ 33 5 45.5	.
17	ϵ Orionis	11	49 48.35	+ 0.32	- 7.31	40 6 7.22	45.739	+ 50.2	49.9	5 31 . .	.	.	.
18	ν Orionis	11	1 54.50	+ 0.32	- 7.41	31 28 3.42	42.548	+ 36.5	50.0	5 49 . .	.	.	.
19	ν Orionis	11	1 54.50	+ 0.32	- 7.41	24 4 4.90	44.365	+ 26.7	49.1	6 1 . .	.	.	.
20	δ Geminorum	11	14 11.71	+ 0.32	- 7.39	16 40 6.10	46.905	+ 17.9	49.7	7 14 . .	.	.	.
21	λ Ursæ Minoris s. p. Moon II, N.	4	23 2.84	+ 2.08	[- 4.20]	307 52 6.55	43.150	- 1 16.4	[50.2]	19 23 . .	.	.	.
22	α Canis Minoris	11	39 34.75	+ 0.33	- 7.42	16 22 5.38	41.910	+ 17.6	49.8	7 29 27.66	- 66.93	+ 22 29 48.3	.
23	α Canis Minoris	11	34 7.37	+ 0.33	- 7.43	33 22 6.12	42.839	+ 39.4	50.2	7 34 . .	.	.	.
24	β Geminorum	11	39 14.37	+ 0.32	- 7.34	10 34 3.70	47.019	+ 11.2	49.8	7 39 . .	.	.	.
25	φ Geminorum	11	47 25.31	+ 0.32	- 7.47	11 48 4.62	48.700	+ 12.6	50.0	7 47 . .	.	.	.
January 7, Po.													
26	α Lyrae	11	33 35.85	+ 0.31	- 8.11	0 10 0.70	44.989	+ 0.2	51.4	18 33 . .	.	.	.
27	Venus I, N.	6	40 40.67	+ 0.37	- 8.12	62 14 2.10	44.765	+ 1 49.3	53.0	18 40 32.92	+ 0.24	- 23 24 31.3	.
28	Venus II, S.	5	40 41.16	+ 0.37	- 8.12	62 14 2.10	45.148	+ 1 49.3	53.0	18 40 33.41	- 0.25	- 23 24 38.8	.
January 8, Po.													
29	Sun I, N.	10	19 10.71	+ 0.37	- 8.18	60 44 2.05	44.100	+ 1 42.1	53.0	19 19 2.90	+ 70.60	- 21 54 9.7	.
30	Sun II, S.	5	21 31.92	+ 0.37	- 8.19	61 16 1.95	45.815	+ 1 44.4	53.0	19 21 24.10	- 70.60	- 22 26 48.0	.
31	α Cephei	11	16 14.65	+ 0.26	[- 8.50]	336 42 2.40	45.585	- 24.2	[51.1]	21 16 . .	.	.	.
32	ϵ Pegasi	11	39 18.55	+ 0.34	- 8.43	29 26 3.15	45.580	+ 31.8	53.0	21 39 . .	.	.	.
33	α Aquarii	11	0 40.91	+ 0.35	- 8.46	39 40 2.80	42.964	+ 46.7	54.0	22 0 . .	.	.	.
34	α Piscis Australis	11	52 9.50	+ 0.38	- 8.56	68 58 0.88	47.106	+ 2 25.6	52.6	22 52 . .	.	.	.
35	α Pegasi	11	59 49.09	+ 0.34	- 8.45	24 12 2.95	42.768	+ 25.3	53.9	22 59 . .	.	.	.
36	ι Aurigæ	11	50 31.98	+ 0.26	- 8.63	5 50 3.42	47.048	+ 6.0	52.8	4 50 . .	.	.	.
37	ι Orionis	11	58 55.22	+ 0.26	- 8.74	23 34 4.28	47.878	+ 25.4	51.8	4 58 . .	.	.	.
38	Neptune C, C.	11	18 49.10	+ 0.26	- 8.76	17 8 3.90	44.058	+ 18.0	51.6	5 18 40.60	.	+ 21 43 9.9	.
39	Amphitrite	11	24 47.37	+ 0.26	- 8.76	5 48 3.12	46.482	+ 6.0	51.6	5 24 38.87	.	+ 33 2 36.0	.
40	ϵ Orionis	11	31 13.06	+ 0.26	- 8.80	40 6 3.58	46.101	+ 49.0	51.8	5 31 . .	.	.	.
41	α Orionis	11	49 49.95	+ 0.26	- 8.85	31 28 3.95	42.656	+ 35.7	51.6	5 49 . .	.	.	.
42	λ Ursæ Minoris s. p. β Geminorum	3	23 6.69	+ 1.71	[- 8.05]	307 52 1.62	43.407	- 1 14.9	[52.2]	19 23 . .	.	.	.
43	φ Geminorum	11	39 15.99	+ 0.26	- 8.88	10 34 3.68	47.128	+ 11.0	51.7	7 39 . .	.	.	.
44	φ Geminorum	11	47 26.82	+ 0.26	- 8.90	11 48 3.98	48.878	+ 12.3	52.5	7 47 . .	.	.	.
45	Moon II, S.	11	21 24.33	+ 0.27	- 8.91	20 26 4.35	46.026	+ 22.0	51.6	8 21 15.69	- 65.73	+ 18 24 27.8	.
46	η Cancri	11	26 59.93	+ 0.26	- 8.90	18 4 4.32	43.894	+ 19.3	50.0	8 26 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
5 6 14	29.970	34.8	33.8	2.	Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	8	+ 4.7	.	0.0	+ 4.7
6 16 18	29.834	38.8	38.2	7.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	9	+ 7.9	+ 16 17.7	.	+ 16 25.6
16 48	29.846	39.5	38.9	5, 29.	Bisections at I, II.	10	+ 7.8	- 16 17.6	.	- 16 9.8
18 7	29.850	41.3	40.1	10, 30.	Bisections at VI, VII.	15	+ 0.1	.	.	+ 0.1
18 37	29.842	41.8	40.7	21.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ .	16	+ 0.6	.	.	+ 0.6
19 17	29.834	42.4	41.2	22, 45.	Bisections at II, III, IV, V, VI.	22	+ 15 15.0	- 14 54.7	.	+ 0 20.3
21 9	29.836	45.0	43.4	27.	Bisections at I, VII.	27	+ 4.7	- 3.8	.	+ 0.9
22 0	29.848	44.4	43.6	28.	Bisections at II, VI.	28	+ 4.7	+ 3.7	0.0	+ 8.4
5 18	29.770	37.8	36.8	42.	Bisections at C ₄ , C ₃ , C ₂ .	29	+ 7.8	- 16 19.1	.	- 16 11.3
6 7	29.758	37.3	35.9			30	+ 7.9	+ 16 19.1	.	+ 16 27.0
7 13	29.720	35.8	34.4			38	+ 0.1	.	.	+ 0.1
7 45	29.706	35.4	33.9			39	+ 0.6	.	.	+ 0.6
18 45	29.458	47.0	47.1			45	+ 19 4.1	+ 15 0.5	.	+ 34 4.6
19 21	29.446	48.1	49.5							
21 0	29.442	54.0	57.4							
22 59	29.488	56.0	59.9							
4 15	29.640	48.2	48.7							
5 40	29.670	46.0	46.1							
7 53	29.700	43.5	42.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
1	ϵ Hydræ January 12, L.	11	m s 41 33.55	+ 0.26	- 8.92	32 2 4.25	48.234	+ 37.0	51.0	8 41 . .	s . .	° ' " . .	'' . .
2	δ Ursæ Minoris	8	4 58.26	- 0.58	[-14.32]	312 16 2.88	43.867	- 1 2.1	[52.8]	18 4 . .	. .	. .	. .
3	η Serpentis	11	16 15.22	+ 0.20	-13.68	41 46 3.32	44.870	+ 50.7	52.1	18 16 . .	. .	. .	. .
4	ι Aquilæ	11	29 52.75	+ 0.20	-13.70	47 8 2.92	48.704	+ 1 1.1	52.1	18 29 . .	. .	. .	. .
5	β Lyrae	11	46 31.55	+ 0.19	-13.70	5 36 1.62	46.755	+ 5.6	51.1	18 46 . .	. .	. .	. .
6	ζ Aquilæ	11	0 56.40	+ 0.20	-13.68	25 8 3.12	45.324	+ 26.6	50.8	19 0 . .	. .	. .	. .
7	Venus I, C.	6	8 6.68	+ 0.21	-13.69	61 50 2.20	46.470	+ 1 45.4	51.6	19 7 53.20	+ 0.49	- 23 1 1.6	. .
8	Venus II January 13, L.	5	8 7.66	+ 0.21	-13.69				. .	19 7 54.18	- 0.49		. .
9	Sun I, S.	11	40 57.73	+ 0.21	-13.70	60 28 2.88	49.050	+ 1 39.8	51.6	19 40 44.24	+ 70.26	- 21 39 44.6	. .
10	Sun II, N.	11	43 18.24	+ 0.21	-13.70	59 56 2.15	47.255	+ 1 37.6	51.6	19 43 4.75	- 70.25	- 21 7 10.5	. .
11	ζ Cygni	11	8 48.63	+ 0.19	-13.73	9 2 3.80	46.334	+ 9.1	51.1	21 8 . .	. .	. .	. .
12	β Aquarii	11	26 24.87	+ 0.20	-13.70	44 52 4.02	43.212	+ 56.9	51.5	21 26 . .	. .	. .	. .
13	ϵ Pegasi	11	39 23.94	+ 0.20	-13.69	29 26 4.82	45.466	+ 32.3	52.4	21 39 . .	. .	. .	. .
14	α Aquarii	11	0 46.30	+ 0.20	-13.72	39 40 4.42	42.731	+ 47.5	51.6	22 0 . .	. .	. .	. .
15	ι Orionis	11	59 0.48	+ 0.28	-14.03	23 34 3.72	47.812	+ 25.8	50.2	4 58 . .	. .	. .	. .
16	Neptune C, C.	11	18 24.17	+ 0.28	-14.01	17 8 4.32	45.054	+ 18.3	49.6	5 18 10.44	. .	+ 21 42 48.0	. .
17	Amphitrite	11	21 21.42	+ 0.30	-14.01	6 6 2.88	42.961	+ 6.4	49.6	5 21 7.71	. .	+ 32 45 41.4	. .
18	ϵ Orionis	11	31 18.28	+ 0.26	-14.02	40 6 5.55	45.860	+ 49.8	49.3	5 31 . .	. .	. .	. .
19	ν Orionis	11	2 1.12	+ 0.28	-13.97	24 4 5.02	44.345	+ 26.5	49.3	6 1 . .	. .	. .	. .
20	δ Ursæ Minoris S. P.	7	4 57.02	- 0.44	[-13.16]	305 30 1.78	42.415	- 1 22.6	51.5	18 4 . .	. .	. .	. .
21	α^2 Geminorum	11	28 22.41	+ 0.29	-14.11	6 44 3.92	45.948	+ 7.1	49.7	7 28 . .	. .	. .	. .
22	Eukrate	8	41 32.10	+ 0.35	-14.10	336 42 3.60	45.856	- 25.5	51.6	7 41 18.35	. .	+ 62 9 18.4	. .
23	3 Ursæ Majoris January 16, S.	11	3 0.05	+ 0.38	[-14.40]	330 6 2.88	42.954	- 34.1	51.7	8 2 . .	. .	. .	. .
24	α Ursæ Minoris S. P.	8	21 50.39	- 2.14	[-12.75]	307 38 3.05	47.430	- 1 18.9	[49.9]	1 21 . .	. .	. .	. .
25	η Bootis	11	50 6.64	+ 0.39	-16.25	19 56 4.55	46.578	+ 22.3	49.1	13 49 . .	. .	. .	. .
26	α^2 Librae	11	45 30.73	+ 0.36	-16.22	54 26 4.30	47.780	+ 1 25.6	49.9	14 45 . .	. .	. .	. .
27	Moon II, S.	11	14 2.36	+ 0.36	-16.24	62 52 4.65	42.813	+ 1 59.2	49.7	15 13 46.48	- 73.76	- 24 2 9.8	. .
28	α Serpentis	11	39 30.86	+ 0.38	-16.18	32 6 5.55	44.660	+ 38.5	49.6	15 39 . .	. .	. .	. .
29	δ Scorpii	11	54 34.41	+ 0.36	-16.25	61 10 4.02	42.635	+ 1 51.0	50.1	15 54 . .	. .	. .	. .
30	β^1 Scorpii January 16, Br.	11	59 46.65	+ 0.36	-16.29	58 22 3.70	42.283	+ 1 39.2	49.7	15 59 . .	. .	. .	. .
31	ϵ Ursæ Minoris	11	56 31.76	+ 0.47	[-16.61]	316 40 3.68	45.305	- 57.5	[52.9]	16 56 . .	. .	. .	. .
32	α Ophiuchi	11	30 27.87	+ 0.29	-16.30	26 12 5.85	47.271	+ 30.2	49.7	17 30 . .	. .	. .	. .
33	μ Herculis	11	42 43.60	+ 0.30	-16.34	11 4 4.75	45.969	+ 12.0	50.0	17 42 . .	. .	. .	. .
34	δ Ursæ Minoris	4	4 58.94	+ 0.69	[-15.82]	312 16 . .	. .	. .	. .	18 4 . .	. .	. .	. .
35	Mercury C.	5	32 41.80	+ 0.26	-16.40	59 8 . .	. .	. .	. .	18 32 25.66	- 0.16	. .	. .
36	δ Aquilæ	5	20 37.36	+ 0.28	-16.51	35 56 . .	. .	. .	. .	19 20 . .	. .	. .	. .
37	Venus C. January 17, Br.	. .		. .	. .	61 18 5.02	46.892	+ 1 50.8	49.8	19 29 . .	. .	- 22 29 18.1	. .
38	Sun I, S.	11	58 10.40	+ 0.26	-16.46	59 44 3.60	45.175	+ 1 43.5	49.8	19 57 54.20	+ 69.72	- 20 54 36.8	. .
39	Sun II, N.	10	0 29.83	+ 0.26	-16.46	59 12 3.40	43.438	+ 1 41.7	49.8	20 0 13.63	- 69.71	- 20 22 4.5	. .
40	ι Aurigæ	11	50 40.10	+ 0.33	-16.89	5 50 4.75	46.750	+ 6.3	49.2	4 50 . .	. .	. .	. .
41	β^1 Orionis	11	59 3.26	+ 0.35	-16.90	23 34 6.10	47.561	+ 26.8	48.6	4 58 . .	. .	. .	. .
42	Orionis	11	9 56.73	+ 0.36	-16.82	47 10 5.68	42.284	+ 1 6.1	47.0	5 9 . .	. .	. .	. .
43	Neptune C, C.	11	18 4.47	+ 0.34	-16.85	17 8 5.65	45.668	+ 19.0	48.4	5 17 47.96	. .	+ 21 42 34.4	. .
44	Amphitrite	7	19 11.64	+ 0.33	-16.85	6 20 5.50	43.762	+ 6.9	48.4	5 18 55.12	. .	+ 32 31 20.4	. .
45	α Orionis	11	49 57.86	+ 0.35	-16.84	31 28 5.48	42.340	+ 37.6	48.3	5 49 . .	. .	. .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
8 5 36	29.770	42.0	41.1	2.	Bisections at C ₁ , C ₃ , C ₅ .	7	+ 4.7	. .	0.0	+ 4.7
12 15 19	29.618	56.8	58.1	9, 38, 43.	Bisections at I, II.	9	+ 7.8	+ 16 17.1	. .	+ 16 24.9
15 15 45	29.612	57.9	58.9	10, 39, 44.	Bisections at VI, VII.	10	+ 7.8	- 16 17.0	. .	- 16 9.2
19 5 5	29.614	58.0	58.8	20.	Bisections at C ₄ , C ₃ , C ₂ .	16	+ 0.1	. .	. .	+ 0.1
13 19 43	29.626	58.2	48.9	24.	Bisections at D ₂ , D ₁ , C ₅ .	17	+ 0.6	. .	. .	+ 0.6
21 29 29	29.674	56.2	54.3	27.	Bisections at II, III, IV, V, VI.	22	- 2.4	. .	. .	- 2.4
22 59 29	29.696	55.1	53.4	30.	Bisections at II, VI, VII.	27	+ 52 56.9	+ 16 16.6	. .	+ 69 13.5
4 59 29	29.810	43.8	41.8	37.	Bisections at I, II.	37	+ 4.6	. .	0.0	+ 4.6
6 12 29	29.850	41.8	40.1			38	+ 7.7	+ 16 16.2	. .	+ 16 23.9
7 58 29	29.874	39.5	38.1			39	+ 7.7	- 16 16.1	. .	- 16 8.4
13 27 30	30.021	29.7	27.6			43	+ 0.1	. .	. .	+ 0.1
14 35 30	30.025	29.2	27.2			44	+ 0.6	. .	. .	+ 0.6
15 5 30	30.075	30.2	26.0							
17 5 30	30.108	31.8	28.9							
17 49 30	30.108	32.5	29.8							
19 23 30	30.104	34.7	32.0							
20 1 30	30.096	34.4	32.2							
4 42 30	30.128	30.7	29.0	22.	Bright wire illumination except at I and II.					
5 34 30	30.126	29.5	28.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	♄ Orionis	11	2 3.95	+ 0.35	-16.86	24 4 5.48	44.322	+ 27.4	48.7	6 1 . . .	. . .	. . .	. . .
2	♂ Ursæ Minoris S. P. . .	8	4 58.46	+ 1.31	[-15.92]	305 30 . .	. . .	. . .	. . .	18 4 . . .	. . .	. . .	. . .
3	♊ Geminorum	10	28 25.17	+ 0.33	-16.87	6 44 . . .	. . .	. . .	. . .	7 28 . . .	. . .	. . .	. . .
January 17, L.													
4	Moon II, S.	11	19 22.24	+ 0.44	-17.38	65 26 4.55	44.259	+ 2 14.4	47.8	16 19 5.30	-76.17	- 26 40 9.7	. . .
5	♏ Scorpii	11	23 26.49	+ 0.43	-17.41	65 2 4.55	42.738	+ 2 11.6	47.0	16 23 . . .	. . .	. . .	. . .
6	♌ Ophiuchi	11	31 49.77	+ 0.42	-17.38	49 12 4.65	43.948	+ 1 11.2	48.2	16 31 . . .	. . .	. . .	. . .
7	♈ Herculis	11	10 16.70	+ 0.41	-17.37	24 20 5.18	46.386	+ 27.8	48.6	17 9 . . .	. . .	. . .	. . .
8	♌ Ophiuchi	11	30 28.84	+ 0.42	-17.39	26 12 4.95	47.236	+ 30.2	47.9	17 30 . . .	. . .	. . .	. . .
9	♂ Ursæ Minoris	7	5 0.80	+ 0.15	[-17.06]	312 16 . .	. . .	. . .	. . .	18 4 . . .	. . .	. . .	. . .
10	☿ Mercury C, C.	11	32 58.64	+ 0.43	-17.42	59 16 4.10	45.640	+ 1 42.2	47.8	18 32 41.65	- 0.15	- 20 26 48.2	. . .
11	Venus I, N.	6	35 17.23	+ 0.43	-17.44	61 6 4.95	43.652	+ 1 49.6	47.8	19 35 0.22	+ 0.47	- 22 19 33.6	. . .
12	Venus II, S.	5	35 18.18	+ 0.43	-17.44	61 6 4.95	44.240	+ 1 49.6	47.8	19 35 1.17	- 0.48	- 22 19 44.7	. . .
January 18, L.													
13	Sun I, N.	11	2 26.90	+ 0.43	-17.45	59 0 3.78	42.690	+ 1 40.3	47.8	20 2 9.88	+69.78	- 20 9 47.8	. . .
14	Sun II, S.	11	4 46.45	+ 0.43	-17.45	59 32 4.08	44.168	+ 1 42.5	47.8	20 4 29.43	-69.77	- 20 42 22.0	. . .
15	♄ Cygni	9	8 52.09	+ 0.41	-17.41	9 2 4.92	46.042	+ 9.6	47.3	21 8 . . .	. . .	. . .	. . .
16	♊ Pegasi	11	39 27.51	+ 0.42	-17.47	29 26 4.52	45.183	+ 33.9	48.1	21 39 . . .	. . .	. . .	. . .
17	♈ Aquarii	11	0 49.85	+ 0.42	-17.50	39 40 5.65	42.388	+ 49.8	48.2	22 0 . . .	. . .	. . .	. . .
18	♐ Piscis Australis	11	52 18.38	+ 0.43	-17.57	68 58 3.02	46.105	+ 2 35.2	47.3	22 52 . . .	. . .	. . .	. . .
19	♉ Aurigæ	11	50 41.07	+ 0.35	-17.86	5 50 4.50	46.700	+ 6.3	48.0	4 50 . . .	. . .	. . .	. . .
20	♌ Orionis	11	59 4.19	+ 0.37	-17.85	23 34 6.20	47.529	+ 26.6	47.9	4 58 . . .	. . .	. . .	. . .
21	Amphitrite	11	18 44.70	+ 0.35	-17.79	6 24 4.48	42.894	+ 6.9	47.9	5 18 27.26	. . .	+ 32 27 38.9	. . .
22	♂ Ursæ Minoris S. P. . .	8	4 59.38	+ 0.91	[-16.36]	305 30 3.95	42.275	- 1 25.1	49.8	18 4 . . .	. . .	. . .	. . .
23	♊ Geminorum	11	17 7.54	+ 0.36	-17.79	16 16 5.68	47.419	+ 17.9	47.9	6 16 . . .	. . .	. . .	. . .
24	♊ Geminorum	11	14 22.17	+ 0.36	-17.79	16 40 5.28	46.824	+ 18.4	47.8	7 14 . . .	. . .	. . .	. . .
25	Piazz VII, 67	11	20 40.17	+ 0.29	[-18.04]	330 12 3.95	42.605	- 34.9	50.1	7 20 . . .	. . .	. . .	. . .
26	Eukrate	9	32 15.01	+ 0.31	-17.88	337 14 4.18	45.098	- 25.5	50.0	7 31 57.44	. . .	+ 61 37 30.7	. . .
27	♊ Geminorum	11	39 24.97	+ 0.35	-17.82	10 34 5.38	46.801	+ 11.5	47.9	7 39 . . .	. . .	. . .	. . .
January 20, L.													
28	♉ Aurigæ	11	50 42.59	+ 0.33	-19.37	5 50 5.20	46.835	+ 6.0	51.1	4 50 . . .	. . .	. . .	. . .
29	♌ Orionis	11	59 5.66	+ 0.36	-19.32	23 34 6.85	47.758	+ 25.5	51.8	4 58 . . .	. . .	. . .	. . .
30	Amphitrite	11	17 57.05	+ 0.33	-19.39	6 30 5.70	47.342	+ 6.7	51.2	5 17 37.99	. . .	+ 32 20 15.9	. . .
31	♈ Tauri	11	20 12.23	+ 0.34	-19.46	10 20 . . .	. . .	. . .	. . .	5 19 . . .	. . .	. . .	. . .
32	♂ Ursæ Minoris S. P. . .	8	5 0.50	+ 1.54	[-17.92]	305 30 4.40	42.160	- 1 21.2	52.6	18 4 . . .	. . .	. . .	. . .
33	♊ Geminorum	11	17 9.23	+ 0.35	-19.46	16 16 6.20	47.592	+ 17.1	50.9	6 16 . . .	. . .	. . .	. . .
34	Piazz VII, 67	11	20 41.97	+ 0.20	[-19.74]	330 12 5.20	42.650	- 33.3	52.9	7 20 . . .	. . .	. . .	. . .
35	Eukrate	10	28 46.61	+ 0.25	-19.47	337 28 5.60	41.450	- 24.1	52.8	7 28 27.39	. . .	+ 61 21 25.2	. . .
36	♊ Geminorum	11	39 26.62	+ 0.34	-19.45	10 34 5.75	46.962	+ 11.0	50.9	7 39 . . .	. . .	. . .	. . .
January 21, K.													
37	♌ Orionis	11	59 6.30	+ 0.25	-19.86	23 33 59.40	48.015	+ 26.0	49.7	4 58 . . .	. . .	. . .	. . .
38	Amphitrite	11	17 36.27	+ 0.24	-19.77	6 34 1.30	46.531	+ 6.9	49.5	5 17 16.74	. . .	+ 32 16 33.9	. . .
39	♈ Tauri	11	20 12.75	+ 0.24	-19.78	10 19 57.50	43.910	+ 10.9	49.5	5 19 . . .	. . .	. . .	. . .
40	♌ Orionis	11	27 9.40	+ 0.26	-19.71	39 12 3.10	47.515	+ 48.6	49.4	5 26 . . .	. . .	. . .	. . .
41	♌ Orionis	11	31 23.95	+ 0.26	-19.72	40 6 4.22	45.994	+ 50.2	50.1	5 31 . . .	. . .	. . .	. . .
42	♊ Geminorum	11	14 24.36	+ 0.25	-19.85	16 40 5.30	46.904	+ 18.0	48.9	7 14 . . .	. . .	. . .	. . .
43	Piazz VII, 67	11	20 42.24	+ 0.13	[-19.93]	330 12 4.25	42.595	- 34.1	50.8	7 20 . . .	. . .	. . .	. . .
44	♌ Ursæ Minoris S. P. . .	3	23 14.50	+ 3.78	[-19.20]	307 52 3.25	43.272	- 1 16.6	50.0	19 22 . . .	. . .	. . .	. . .
45	Eukrate	6	27 5.08	+ 0.17	-19.82	337 38 6.92	47.652	- 24.5	50.4	7 26 45.43	. . .	+ 61 12 38.8	. . .
46	♊ Geminorum	11	39 27.08	+ 0.24	-19.80	10 34 2.18	47.050	+ 11.2	49.2	7 39 . . .	. . .	. . .	. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.	
d h m		in.	°	°					' "	' "	"	' "	"
17 6 31		30.142	29.5	28.1	I, 13, 34.			4	+54 38.2	+16 25.4	. . .	+71 3.6	. . .
16 10		30.160	28.3	27.0	4.			10	+ 9.5	. . .	+ 0.1	+ 9.6	. . .
16 36		30.168	29.9	27.9	4, 11, 12, 35.			11	+ 4.5	- 5.5	. . .	- 1.0	. . .
17 20		30.200	32.0	29.9	11, 45.			12	+ 4.5	+ 5.6	0.0	+ 10.1	. . .
18 36		30.200	35.2	33.0	12.			13	+ 7.7	-16 17.1	. . .	-16 9.4	. . .
19 35		30.180	37.4	35.4	14, 15, 18.			14	+ 7.7	+16 17.1	. . .	+16 24.8	. . .
20 4		30.168	37.8	36.0	16, 35.			21	+ 0.6	. . .	. . .	+ 0.6	. . .
21 41		30.144	39.4	38.3	Bisections at I, II.			26	- 2.3	. . .	. . .	- 2.3	. . .
22 5		30.140	39.9	38.9	Bisections at II, III, IV, V, VI.			30	+ 0.6	. . .	. . .	+ 0.6	. . .
22 55		30.150	40.1	39.1	Z. D. thread A used.			35	- 2.3	. . .	. . .	- 2.3	. . .
4 48		30.190	32.9	32.4	Bisections at II, VI.			38	+ 0.6	. . .	. . .	+ 0.6	. . .
6 9		30.210	32.2	31.8	Bisections at C ₅ , C ₃ , C ₁ .			45	- 2.3	. . .	. . .	- 2.3	. . .
7 43		30.210	31.4	31.1	Bisections at C ₄ , C ₃ , C ₂ .								
4 55		29.520	42.0	42.8	Bisections at II, III, V, VI.								
6 8		29.544	43.0	43.9	Bisections at B ₃ , B ₁ .								
7 33		29.580	41.9	43.0									
4 59		30.008	41.6	41.2									
5 31		30.016	41.4	40.7									
7 14		30.018	39.7	38.7									
					26, 35, 45. Bright wire illumination.								
					28 to 36. Two microscopes read.								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ϕ Geminorum . . .	11	47 37.93	+ 0.24	-19.83	11 48 5.40	48.631	+ 12.6	49.6	7 47 . .	. .		. .
	January 23, K.												
2	α Ophiuchi	11	30 32.36	+ 0.28	-20.61	26 12 4.82	47.398	+ 29.6	49.2	17 30 . .	. .		. .
3	δ Ursæ Minoris . .	11	5 4.18	+ 0.62	[-20.20]	312 16 2.70	44.097	- 1 5.8	[50.3]	18 4 . .	. .		. .
4	η Serpentis	11	16 22.35	+ 0.27	-20.65	41 46 4.75	44.645	+ 53.6	50.9	18 16 . .	. .		. .
5	ι Aquilæ	11	29 59.82	+ 0.26	-20.61	47 8 2.32	48.502	+ 1 4.6	50.4	18 29 . .	. .		. .
6	α Lyrae	11	33 48.55	+ 0.30	-20.54	0 9 59.48	45.229	+ 0.2	50.1	18 33 . .	. .		. .
7	Mercury C, C. . .	11	44 47.05	+ 0.25	-20.62	60 6 4.55	42.228	+ 1 43.9	50.6	18 44 26.68	- 0.11	- 21 15 42.2	. .
8	Venus I, C. . . .	6	7 26.45	+ 0.25	-20.66	59 58 3.25	42.089	+ 1 42.9	50.6	20 7 6.04	+ 0.40	- 21 7 37.2	. .
9	Venus II	5	7 27.26	+ 0.25	-20.66				. .	20 7 6.85	- 0.41		. .
	January 24, K.												
10	Sun I, S.	11	27 49.10	+ 0.25	-20.67	58 10 4.05	46.227	+ 1 36.0	50.6	20 27 28.68	+ 69.12	- 19 20 48.7	. .
11	Sun II, N.	10	30 7.36	+ 0.25	-20.68	57 38 3.68	44.465	+ 1 34.0	50.6	20 29 46.93	- 69.13	- 18 48 16.0	. .
12	β Aquarii	11	26 31.86	+ 0.26	-20.71	44 52 4.88	43.021	+ 59.2	50.5	21 26 . .	. .		. .
13	ϵ Pegasi	11	39 30.87	+ 0.28	-20.69	29 26 5.08	45.402	+ 33.6	51.3	21 39 . .	. .		. .
14	α Aquarii	11	0 53.19	+ 0.27	-20.69	39 40 4.28	42.662	+ 49.3	51.2	22 0 . .	. .		. .
15	η Aquarii	11	30 27.57	+ 0.27	-20.79	39 28 6.60	47.680	+ 49.0	51.2	22 30 . .	. .		. .
16	Moon I	11	32 45.59	+ 0.27	-20.73	44 50 . .			. .	22 32 25.13	+ 66.37		. .
17	ι Orionis	11	59 7.06	+ 0.38	-20.77	23 34 5.82	47.634	+ 26.3	49.0	4 58 . .	. .		. .
18	Neptune C, C. . .	11	17 32.93	+ 0.38	-20.78	17 8 4.38	46.700	+ 18.6	49.6	5 17 12.53	. .	+ 21 42 16.1	. .
19	β Tauri	11	20 13.54	+ 0.38	-20.73	10 20 2.40	43.558	+ 11.0	49.2	5 19 . .	. .		. .
20	δ Orionis	11	27 10.34	+ 0.38	-20.78	39 12 4.98	47.434	+ 49.0	49.8	5 26 . .	. .		. .
21	ϵ Orionis	11	31 24.95	+ 0.38	-20.86	40 6 5.10	45.920	+ 50.6	49.6	5 31 . .	. .		. .
22	Eukrate	10	22 18.28	+ 0.39	-20.79	338 8 4.08	44.635	+ 24.1	49.6	7 21 57.88	. .	+ 60 43 38.3	. .
23	λ Ursæ Minoris S. P.	3	23 18.30	- 0.03	[-19.04]	307 52 3.72	43.200	- 1 17.2	[50.4]	19 22 . .	. .		. .
24	α^2 Geminorum . . .	11	28 29.07	+ 0.38	-20.78	6 44 3.62	45.952	+ 7.2	50.3	7 28 . .	. .		. .
25	α Canis Minoris . .	11	34 20.83	+ 0.38	-20.79	33 22 5.08	43.001	+ 39.8	50.6	7 34 . .	. .		. .
26	β Geminorum . . .	11	39 27.95	+ 0.38	-20.79	10 34 3.72	46.916	+ 11.3	48.3	7 39 . .	. .		. .
27	ϕ Geminorum . . .	11	47 38.78	+ 0.38	-20.80	11 48 4.98	48.642	+ 12.7	49.6	7 47 . .	. .		. .
	January 25, S.												
28	α Aquilæ	11	46 8.91	+ 0.28	-20.96	30 14 4.58	47.180	+ 34.2	49.2	19 45 . .	. .		. .
29	Venus I, C.	6	18 0.48	+ 0.28	-20.99	59 28 3.45	44.926	+ 1 39.1	49.4	20 17 39.77	+ 0.41	- 20 38 28.2	. .
30	Venus II	5	18 1.30	+ 0.28	-20.99				. .	20 17 40.59	- 0.41		. .
	January 26, S.												
31	Sun I, N.	11	36 9.48	+ 0.28	-21.01	57 8 3.75	44.680	+ 1 30.5	49.4	20 35 48.75	+ 68.84	- 18 18 14.5	. .
32	Sun II, S.	11	38 27.16	+ 0.28	-21.01	57 40 4.05	45.985	+ 1 32.4	49.4	20 38 6.43	- 68.84	- 18 50 45.2	. .
33	ϵ Pegasi	11	39 31.24	+ 0.29	-21.07	29 26 4.98	45.360	+ 33.0	49.6	21 39 . .	. .		. .
34	α Andromæ	11	3 27.75	+ 0.29	-20.94	10 20 3.98	42.161	+ 10.8	48.2	0 3 . .	. .		. .
35	γ Pegasi	11	8 20.16	+ 0.29	-21.05	24 14 5.08	43.522	+ 26.5	48.2	0 7 . .	. .		. .
36	Moon I, S.	11	12 5.56	+ 0.29	-21.04	32 50 3.02	47.339	+ 38.0	47.8	0 11 44.81	+ 64.34	+ 5 59 44.2	. .
37	α Ursæ Minoris . .	8	21 46.44	+ 0.76	[-21.13]	310 6 . .			. .	1 21 . .	. .		. .
38	β Arietis	11	49 22.07	+ 0.29	-21.08	18 32 3.95	45.028	+ 19.9	47.4	1 49 . .	. .		. .
39	α Arietis	11	1 47.23	+ 0.29	-21.06	15 52 3.95	44.381	+ 16.9	47.6	2 1 . .	. .		. .
40	ι Orionis	11	59 7.51	+ 0.27	-21.13	23 34 4.72	47.661	+ 26.1	48.2	4 58 . .	. .		. .
41	Neptune C, C. . .	8	17 24.22	+ 0.27	-21.13	17 8 4.22	46.926	+ 18.5	48.6	5 17 3.36	. .	+ 21 42 11.1	. .
42	β Tauri	10	20 14.02	+ 0.27	-21.12	10 20 6.32	43.354	+ 10.9	47.9	5 19 . .	. .		. .
43	δ Ursæ Minoris S. P.	6	5 4.05	+ 0.98	[-19.93]	305 30 1.32	42.082	- 1 23.3	47.7	18 4 . .	. .		. .
44	μ Geminorum . . .	11	17 11.00	+ 0.27	-21.16	16 16 1.02	47.720	+ 17.5	48.6	6 16 . .	. .		. .
45	γ Geminorum . . .	10	32 12.74	+ 0.27	-21.18	22 22 3.72	43.508	+ 24.6	48.9	6 31 . .	. .		. .
46	Eukrate	11	19 22.49	+ 0.23	-21.18	338 28 3.22	48.375	- 23.5	48.1	7 19 1.54	. .	+ 60 22 24.6	. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Cor. for Def. III.	Sum.	
d	h	m	in.	°	°				' "	' "	"	' "	
21	7	47	30.024	39.0	37.5	3.	Bisections at B ₃ , C ₁ , C ₃ , C ₅ , D ₁ .	7	+	8.5	0.0	+	8.5
23	17	30	29.874	36.9	34.3	10, 31.	Bisections at I, II.	8	+	4.5	0.0	+	4.5
	18	46	29.914	38.2	35.9	11, 19, 32.	Bisections at VI, VII.	10	+	7.6	+16 16.4	+	16 24.0
24	20	7	29.912	40.0	37.6	15.	Bisection at VI.	11	+	7.6	-16 16.3	-	16 8.7
	20	29	29.916	40.7	37.9	22.	Bisections at II, VI.	18	+	0.1	.	+	0.1
	21	26	29.910	41.0	38.8	23.	Bisections at D ₃ , D ₁ .	22	-	2.2	.	-	2.2
	22	0	29.910	42.3	39.9	36.	Bisections at II, III, IV, V, VI.	29	+	4.5	0.0	+	4.5
	22	36	29.916	42.8	39.9	43.	Bisections at C ₅ , C ₃ , C ₁ .	31	+	7.5	-16 15.3	.	-16 7.8
	4	59	29.988	35.8	36.1	45.	Bisections at I, VII.	32	+	7.6	+16 15.3	.	+16 22.9
	5	31	29.990	36.4	36.2	46.	Bisections at II, VI, VII.	36	+30	34.0	+15 27.1	+	46 1.1
	7	10	29.972	34.7	33.5			41	+	0.1	.	+	0.1
25	7	45	29.960	34.2	33.2			46	-	2.2	.	-	2.2
19	33		29.405	40.6	38.0								
26	20	38	29.400	41.0	38.7								
	21	43	29.455	41.8	40.2								
	23	53	29.520	40.3	38.9								
	0	19	29.536	39.8	38.8								
	1	56	29.590	37.8	36.2								
	5	3	29.642	35.2	34.0								
	6	28	29.650	34.2	32.7	22, 46.	Bright wire illumination.						

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRA- CTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	' "	h m s	s	° ' "	' "
1	λ Ursæ Minoris S. P.	3	23 10.43	+ 2.55	[−13.23]	307 52 2.15	43.162	− 1 16.6	48.5	19 22 . .	. .		. .
2	φ Geminorum January 26, B.	11	47 39.30	+ 0.27	−21.19	11 48 3.98	48.652	+ 12.6	49.2	7 47 . .	. .		. .
3	μ Herculis	11	42 48.69	+ 0.27	−21.15	11 4 3.82	46.152	+ 11.7	49.8	17 42 . .	. .		. .
4	δ Ursæ Minoris	6	5 7.06	− 0.63	[−21.22]	312 16 2.38	44.120	− 1 5.2	[49.9]	18 4 . .	. .		. .
5	η Serpentis	11	16 23.00	+ 0.28	−21.24	41 46 4.78	44.644	+ 53.1	50.0	18 16 . .	. .		. .
6	α Lyræ	11	33 49.25	+ 0.26	−21.14	0 10 3.32	45.079	+ 0.2	50.2	18 33 . .	. .		. .
7	Mercury C, C.	7	55 31.97	+ 0.28	−21.19	60 24 4.18	43.928	+ 1 44.3	50.0	18 55 11.06	− 0.09	− 21 34 16.8	. .
8	α Aquilæ	11	46 9.19	+ 0.28	−21.22	30 14 5.22	47.195	+ 34.5	50.3	19 45 . .	. .		. .
9	Venus I, C.	6	23 15.85	+ 0.28	−21.19	59 12 4.55	46.504	+ 1 38.9	50.0	20 22 54.94	+ 0.51	− 20 22 59.8	. .
10	Venus II. January 27, B.	5	23 16.88	+ 0.28	−21.19				. .	20 22 55.97	− 0.52		. .
11	Sun I, N.	9	40 18.22	+ 0.28	−21.20	56 52 2.00	46.295	+ 1 30.2	50.0	20 39 57.30	+ 68.83	− 18 2 43.2	. .
12	Sun II, S.	11	42 35.88	+ 0.28	−21.20	57 24 2.65	47.615	+ 1 32.1	50.0	20 42 14.96	− 68.83	− 18 35 14.2	. .
13	α Aquarii	11	0 53.74	+ 0.28	−21.24	39 40 4.88	42.585	+ 48.9	49.7	22 0 . .	. .		. .
14	ζ Pegasi	11	36 43.45	+ 0.28	−21.19	28 32 4.68	46.884	+ 32.1	49.8	22 36 . .	. .		. .
15	α Pegasi	11	0 1.79	+ 0.27	−21.21	24 12 5.00	42.498	+ 26.5	49.7	22 59 . .	. .		. .
16	θ Piscium	11	23 8.85	+ 0.28	−21.23	33 2 4.15	42.765	+ 38.3	50.1	23 22 . .	. .		. .
17	Moon I, S.	11	0 29.05	+ 0.29	−21.22	27 20 8.08	42.740	+ 30.6	48.9	1 0 8.12	+ 64.43	+ 11 31 15.9	. .
18	α Ursæ Minoris	7	21 45.57	− 2.32	[−18.16]	310 6 2.35	45.066	− 1 10.1	[48.6]	1 21 . .	. .		. .
19	o Piscium	11	40 22.29	+ 0.28	−21.18	30 12 4.88	44.222	+ 34.6	49.2	1 40 . .	. .		. .
20	β Arietis	11	49 22.21	+ 0.27	−21.21	18 32 4.32	45.080	+ 20.0	48.7	1 49 . .	. .		. .
21	α Arietis	11	1 47.32	+ 0.27	−21.14	15 52 4.38	44.440	+ 17.0	49.2	2 1 . .	. .		. .
22	ξ Ceti	11	7 57.72	+ 0.28	−21.26	30 28 3.12	46.051	+ 35.1	48.5	2 7 . .	. .		. .
23	α Tauri	11	30 27.15	+ 0.28	−21.33	22 32 0.82	46.216	+ 25.0	48.8	4 30 . .	. .		. .
24	ι Aurigæ	11	50 44.50	+ 0.27	−21.29	5 50 10.58	46.350	+ 6.2	47.7	4 50 . .	. .		. .
25	ι Orionis	11	59 7.62	+ 0.28	−21.26	23 34 6.22	47.631	+ 26.3	49.3	4 58 . .	. .		. .
26	Neptune C, C.	11	17 19.89	+ 0.28	−21.30	17 8 6.25	46.965	+ 18.6	49.5	5 16 58.87	. .	+ 21 42 9.1	. .
27	γ Geminorum	6	32 12.90	+ 0.28	−21.36	22 22 3.62	43.543	+ 24.7	50.1	6 31 . .	. .		. .
28	51 H. Cephei	10	53 45.30	− 0.62	[−21.68]	311 40 2.70	43.824	− 1 7.2	[50.1]	6 53 . .	. .	+ 60 11 0.0	. .
29	Eukrate	11	17 59.11	− 0.01	−21.34	338 40 4.38	46.555	− 23.3	49.5	7 17 37.76	. .		. .
30	α Geminorum	11	28 29.75	+ 0.27	−21.33	6 44 7.20	45.727	+ 7.2	50.2	7 28 . .	. .		. .
31	α Canis Minoris	8	34 21.54	+ 0.28	−21.39	33 22 4.70	43.070	+ 39.6	51.0	7 34 . .	. .		. .
32	β Geminorum January 27, I.	11	39 28.57	+ 0.27	−21.28	10 34 2.22	47.061	+ 11.3	49.7	7 39 . .	. .		. .
33	α Ophiuchi	11	30 33.39	+ 0.38	−21.64	26 12 5.72	47.369	+ 30.0	49.2	17 30 . .	. .		. .
34	α Lyræ	11	33 49.61	+ 0.36	−21.57	0 10 3.30	45.016	+ 0.2	48.6	18 33 . .	. .		. .
35	α Aquilæ January 28, I.	11	46 9.46	+ 0.39	−21.59	30 14 4.30	47.102	+ 35.2	48.1	19 45 . .	. .		. .
36	Sun I, S.	11	44 26.69	+ 0.41	−21.65	57 8 3.62	48.050	+ 1 32.9	48.8	20 44 5.45	+ 68.59	− 18 19 21.9	. .
37	Sun II, N.	11	46 43.88	+ 0.41	−21.65	56 36 3.00	46.620	+ 1 31.1	48.8	20 46 22.64	− 68.60	− 17 46 55.6	. .
38	ζ Pegasi	9	36 43.84	+ 0.39	−21.69	28 32 . .			. .	22 36 . .	. .		. .
39	α Pegasi	11	0 2.17	+ 0.38	−21.70	24 12 5.12	42.420	+ 26.8	48.6	22 59 . .	. .		. .
40	β Ceti	11	38 50.20	+ 0.41	−21.72	57 22 3.40	46.285	+ 1 32.8	49.6	0 38 . .	. .		. .
41	α Ursæ Minoris	8	21 45.93	− 2.14	[−19.62]	310 6 3.52	45.143	− 1 10.4	[50.7]	1 21 . .	. .		. .
42	o Piscium	11	40 22.70	+ 0.39	−21.71	30 12 4.85	44.114	+ 34.7	47.1	1 40 . .	. .		. .
43	Moon I, S.	11	49 22.45	+ 0.39	−21.72	22 26 7.90	43.524	+ 24.7	47.8	1 49 1.12	+ 65.08	+ 16 21 50.6	. .
44	α Arietis	11	1 47.76	+ 0.38	−21.71	15 52 4.25	44.391	+ 17.0	48.1	2 1 . .	. .		. .
45	ι Orionis	11	59 8.14	+ 0.38	−21.89	23 34 5.12	47.655	+ 26.3	48.6	4 58 . .	. .		. .
46	Neptune C, C.	11	17 16.15	+ 0.37	−21.83	17 8 5.25	47.010	+ 18.6	47.8	5 16 54.69	. .	+ 21 42 7.5	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	' "	' "
26 7 56	29.628	33.0	31.6	I.	Bisections at B ₁ , B ₂ , B ₃ .	7	+ 8.0	. .	− 0.1	+ 7.9
17 40	29.664	34.0	33.8	2, 27, 30.	Bisections at II, VI, VII.	9	+ 4.5	. .	0.0	+ 4.5
18 15	29.672	37.0	35.6	4.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	11	+ 7.5	− 16 15.5	. .	− 16 8.0
19 20	29.670	35.0	36.8	7, 12, 16, 37.	Bisections at VI, VII.	12	+ 7.6	+ 16 15.4	. .	+ 16 23.0
19 50	29.652	39.0	37.9	11.	Bisection at II.	17	+ 25 28.6	+ 15 13.8	. .	+ 40 12.4
20 42	29.620	40.0	39.0	17, 43.	Bisections at II, III, IV, V, VI.	26	+ 0.1	. .	. .	+ 0.1
22 5	29.596	40.0	38.7	18, 28.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	29	− 2.1	. .	. .	− 2.1
22 55	29.600	41.0	39.3	31.	Bisections at I, VII.	36	+ 7.5	+ 16 13.2	. .	+ 16 20.7
23 25	29.600	40.8	39.0	36.	Bisections at I, II.	37	+ 7.5	− 16 13.1	. .	− 16 5.6
0 55	29.628	39.0	37.1	41.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	43	+ 20 56.7	+ 15 2.8	. .	+ 35 59.5
1 52	29.654	36.4	35.6	43.	Z. D. thread A used.	46	+ 0.1	. .	. .	+ 0.1
2 7	29.672	36.0	35.0							
4 30	29.706	33.2	31.7							
5 5	29.704	32.2	31.4							
6 20	29.730	33.0	32.2							
7 45	29.732	32.6	31.8							
17 33	29.802	28.3	26.3							
19 50	29.770	33.0	30.1							
20 46	29.778	34.3	32.2							
23 4	29.670	37.0	35.1							
0 41	29.634	36.1	34.8							
1 56	29.610	35.0	33.5							
4 57	29.580	30.4	29.0	29.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instrument. Clock.								
			m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Tauri	10	20 14.67	+ 0.37	-21.88	10 20 5.22	43.391	+ 11.0	47.6	5 19 . .		. .
2	ν Orionis	11	2 8.78	+ 0.38	-21.75	24 4 6.72	44.179	+ 26.9	47.8	6 1 . .		. .
3	δ Ursæ Minoris S. P. .	6	5 3.95	+ 1.33	[-19.75]	305 30 6.25	41.868	- 1 23.9	[48.3]	18 4 . .		. .
4	μ Geminorum	11	17 11.59	+ 0.37	-21.86	16 16 5.25	47.441	+ 17.6	47.6	6 16 . .		. .
	January 29, La.											
5	Sun I, N.	11	48 33.79	+ 0.30	-21.57	56 20 3.30	46.295	+ 1 29.5	49.4	20 48 12.52	+68.50	- 17 30 44.0
6	Sun II, S.	11	50 50.79	+ 0.30	-21.57	56 52 3.42	47.418	+ 1 31.3	49.4	20 50 29.52	-68.50	- 18 3 11.0
7	β Andromedæ	11	4 23.08	+ 0.28	-21.62	3 46 7.35	44.945	+ 4.0	50.9	1 4 . .		. .
8	ξ^1 Ceti	6	7 58.17	+ 0.28	-21.74	30 28 6.10	46.002	+ 35.4	49.4	2 7 . .		. .
9	ξ^2 Ceti	11	23 6.49	+ 0.28	-21.44	30 50 5.88	45.658	+ 35.9	49.1	2 22 . .		. .
10	Moon I, S.	11	39 28.59	+ 0.29	-21.58	18 28 1.08	49.010	+ 20.2	49.4	2 39 7.30	+66.09	+ 20 21 33.5
11	α Ceti	11	57 19.46	+ 0.28	-21.51	35 10 6.18	41.644	+ 42.4	49.2	2 56 . .		. .
12	η Tauri	11	41 48.36	+ 0.28	-21.60	15 4 4.98	42.699	+ 16.3	48.9	3 41 . .		. .
13	γ Tauri	11	14 22.49	+ 0.28	-21.53	23 28 6.72	43.879	+ 26.2	48.8	4 14 . .		. .
14	η Orionis	10	59 7.95	+ 0.28	-21.61	23 34 6.48	47.621	+ 26.4	49.4	4 58 . .		. .
15	ζ H. Cephei	11	53 42.59	+ 0.11	[-20.05]	311 40 3.20	43.862	- 1 8.0	[51.1]	6 53 . .		. .
	January 30, S.											
16	α Ursæ Minoris	6	21 45.28	- 0.66	[-22.16]	310 6 3.22	45.210	- 1 12.2	[49.8]	1 21 . .		. .
17	β Arietis	11	49 22.76	+ 0.40	-21.93	18 32 5.12	44.995	+ 20.6	48.3	1 49 . .		. .
18	α Arietis	11	1 47.93	+ 0.40	-21.92	15 52 4.80	44.340	+ 17.5	48.1	2 1 . .		. .
19	α Ceti	7	57 19.97	+ 0.41	-22.16	35 10 5.05	41.575	+ 43.2	48.9	2 56 . .		. .
20	Moon I, S.	11	31 11.16	+ 0.41	-22.02	15 30 4.48	44.560	+ 17.1	48.4	3 30 49.55	+67.17	+ 23 20 57.5
21	η Tauri	11	41 48.58	+ 0.40	-21.96	15 4 4.22	42.660	+ 16.6	47.6	3 41 . .		. .
22	ζ Persei	11	48 6.72	+ 0.40	-22.05	7 16 4.48	44.729	+ 7.9	48.9	3 47 . .		. .
	February 2, S.											
23	α Orionis	8	50 4.10	+ 0.64	-23.44	31 28 6.05	42.395	+ 37.8	49.0	5 49 . .		. .
24	ν Orionis	11	2 10.21	+ 0.62	-23.44	24 4 6.60	44.231	+ 27.6	49.2	6 1 . .		. .
25	δ Ursæ Minoris S. P. .	6	5 7.06	+ 2.66	[-23.20]	305 30 3.15	42.093	- 1 26.1	[49.0]	18 4 . .		. .
26	Moon I, N.	11	13 34.82	+ 0.59	-23.48	13 18 1.50	41.244	+ 14.6	49.1	6 13 11.93	+68.26	+ 25 34 7.3
27	γ Geminorum	11	32 14.75	+ 0.62	-23.57	22 22 5.75	43.380	+ 25.5	49.1	6 31 . .		. .
28	δ Geminorum	11	14 27.69	+ 0.60	-23.50	16 40 5.45	46.842	+ 18.6	49.0	7 14 . .		. .
	February 2, L.											
29	δ Ursæ Minoris	6	5 11.92	- 1.96	[-23.34]	312 16 . .			. .	18 4 . .		. .
30	η Serpentis	11	16 25.49	+ 0.50	-23.78	41 46 6.72	44.440	+ 56.8	51.0	18 16 . .		. .
31	β Lyrae	11	46 41.72	+ 0.39	-23.70	5 36 4.70	46.822	+ 6.3	50.5	18 46 . .		. .
32	ζ Aquilæ	11	1 6.62	+ 0.46	-23.80	25 8 4.25	45.286	+ 29.8	50.4	19 0 . .		. .
33	Mercury C, C.	11	28 13.24	+ 0.59	-23.78	60 36 6.18	46.770	+ 1 52.3	50.5	19 27 50.05	- 0.06	- 21 47 19.4
34	γ Aquilæ	11	41 47.91	+ 0.46	-23.81	28 28 6.58	47.444	+ 34.4	51.7	19 41 . .		. .
	February 3, L.											
35	Sun I, N.	11	8 58.25	+ 0.54	-23.80	54 56 4.28	41.742	+ 1 29.8	50.5	21 8 34.99	+68.13	- 16 5 16.8
36	Sun II, S.	11	11 14.51	+ 0.54	-23.80	55 28 4.60	43.122	+ 1 31.6	50.5	21 10 51.25	-68.13	- 16 37 49.0
37	ϵ Pegasi	11	39 33.91	+ 0.47	-23.88	29 26 6.28	45.216	+ 35.6	49.7	21 39 . .		. .
38	α Pegasi	10	0 4.24	+ 0.45	-23.86	24 12 6.12	42.451	+ 28.2	50.8	22 59 . .		. .
39	α Andromedæ	11	3 30.40	+ 0.41	-23.79	10 20 5.20	42.211	+ 11.5	50.0	0 3 . .		. .
40	γ Pegasi	11	8 22.69	+ 0.45	-23.81	24 14 6.60	43.472	+ 28.3	49.7	0 7 . .		. .
41	Neptune C, C.	11	16 55.18	+ 0.52	-24.04	17 8 6.30	47.402	+ 19.5	49.6	5 16 31.66		+ 21 41 59.8
42	β Tauri	11	20 16.67	+ 0.49	-24.06	10 20 5.65	43.451	+ 11.6	49.9	5 19 . .		. .
43	ν Orionis	11	2 10.91	+ 0.54	-24.07	24 4 7.38	44.164	+ 28.2	49.3	6 1 . .		. .
44	μ Geminorum	11	17 13.62	+ 0.52	-24.07	16 16 6.35	47.438	+ 18.5	49.6	6 16 . .		. .
45	Moon I, N.	11	7 41.01	+ 0.52	-24.12	15 18 8.78	41.500	+ 17.3	49.6	7 7 17.41	+67.53	+ 23 33 52.9

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
28 6 12	29.538	30.0	28.1	3.	Bisections at C ₂ , C ₁ .	5	+ 7.5	-16 13.5	. .	-16 6.0
29 0 50	29.656	35.5	34.0	5, 8, 35.	Bisections at I, II.	6	+ 7.5	+16 13.5	. .	+16 21.0
1 4	29.730	34.2	33.2	6, 19, 36.	Bisections at VI, VII.	10	+17 11.3	+14 54.5	. .	+32 5.8
2 39	29.766	32.0	31.3	10, 45.	Bisections at III, IV, V.	20	+14 22.8	+14 49.2	. .	+29 12.0
4 20	29.800	30.8	30.6	15.	Bisections at C ₁ , C ₃ , C ₅ .	26	+12 21.6	-14 50.3	. .	- 2 28.7
5 9	29.816	30.3	29.7	16.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	33	+ 7.1		- 0.1	+ 7.0
6 46	29.844	29.7	28.1	20, 26.	Bisections at I, VII.	35	+ 7.3	-16 16.1	. .	-16 8.8
30 1 26	29.885	28.2	25.7	25.	Bisections at II, III, IV, V, VI.	36	+ 7.4	+16 16.0	. .	+16 23.4
2 14	29.878	26.0	24.2	28.	Bisections at II, VI, VII.	41	+ 0.1		. .	+ 0.1
3 3	29.867	25.5	24.0			45	+14 17.0	-14 55.3	. .	- 0 38.3
3 53	29.859	25.5	23.2							
2 53	29.810	21.3	20.8							
6 56	29.820	19.9	18.7							
7 22	29.827	19.4	18.5							
18 17	30.118	14.2	11.7							
18 58	30.140	15.0	12.2							
19 28	30.144	16.0	13.2							
3 21 10	30.126	19.6	14.8							
21 42	30.136	19.2	15.7							
23 2	30.118	20.9	17.4							
1 1	30.122	21.1	18.5							
5 5	30.140	18.1	15.6							
5 58	30.150	17.1	15.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
1	δ Geminorum . . .	11	m s 14 28.40	+ 0.52	-24.13	16 40 6.45	46.835	+ 19.0	49.8	7 14 . .	.	.	.
2	λ Ursæ Minoris s. p. . .	5	23 15.22	+ 9.36	[-22.39]	307 52 3.95	43.146	- 1 21.0	[51.4]	19 23 . .	.	.	.
February 3, K.													
3	μ Herculis . . .	11	42 51.64	+ 0.50	-24.12	11 4 6.82	46.075	+ 12.5	50.3	17 42 . .	.	.	.
4	δ Ursæ Minoris . . .	5	5 12.40	- 2.77	[-22.80]	312 16 5.58	44.345	- 1 9.5	[51.1]	18 4 . .	.	.	.
5	α Lyrae . . .	11	33 52.29	+ 0.44	-24.17	0 10 1.02	45.380	+ 0.3	51.6	18 33 . .	.	.	.
6	β Lyrae . . .	10	46 42.12	+ 0.48	-24.17	5 36 9.08	46.619	+ 6.3	50.8	18 46 . .	.	.	.
7	Mercury C, C. . .	11	33 29.86	+ 0.74	-24.19	60 34 6.80	45.875	+ 1 50.9	51.4	19 33 6.41	- 0.06	- 21 45 0.5	.
8	α Aquilæ . . .	11	46 12.04	+ 0.59	-24.26	30 14 7.05	47.092	+ 36.5	52.0	19 45 . .	.	.	.
9	Venus C. . .	.	.	.	.	56 48 5.68	44.501	+ 1 34.3	51.4	21 4 . .	.	- 17 58 16.5	.
February 4, K.													
10	Sun I, N. . .	11	13 0.77	+ 0.71	-24.21	54 38 4.82	42.062	+ 1 26.8	51.4	21 12 37.27	+67.78	- 15 47 19.6	.
11	Sun II, S. . .	11	15 16.33	+ 0.71	-24.21	55 10 4.42	43.268	+ 1 28.6	51.4	21 14 52.83	-67.78	- 16 19 47.8	.
12	α Aquarii . . .	11	0 56.41	+ 0.63	-24.23	39 40 7.15	42.592	+ 50.9	52.3	22 0 . .	.	.	.
13	η Aquarii . . .	7	30 30.73	+ 0.63	-24.31	39 28 8.12	47.555	+ 50.5	50.8	22 30 . .	.	.	.
14	ζ Pegasi . . .	11	36 46.14	+ 0.58	-24.18	28 32 5.38	46.940	+ 33.3	51.9	22 36 . .	.	.	.
15	λ Aquarii . . .	11	47 41.36	+ 0.67	-24.19	46 58 3.95	43.190	+ 1 5.5	51.6	22 47 . .	.	.	.
16	ι Aurigæ . . .	11	50 47.18	+ 0.44	-24.25	5 50 6.92	46.635	+ 6.4	49.9	4 50 . .	.	.	.
17	Π Orionis . . .	11	59 10.25	+ 0.54	-24.24	23 34 5.05	47.718	+ 26.9	50.2	4 58 . .	.	.	.
18	β Orionis . . .	11	10 3.70	+ 0.66	-24.25	47 10 5.02	42.633	+ 1 6.3	50.7	5 9 . .	.	.	.
19	Neptune C, C. . .	11	16 51.89	+ 0.51	-24.25	17 8 6.52	47.462	+ 19.0	50.4	5 16 28.15	.	+ 21 41 59.8	.
20	β Tauri . . .	11	20 16.86	+ 0.47	-24.24	10 20 5.98	43.412	+ 11.3	49.2	5 19 . .	.	.	.
21	ν Orionis . . .	11	2 11.08	+ 0.55	-24.27	24 4 6.42	44.375	+ 27.6	51.7	6 1 . .	.	.	.
22	δ Ursæ Minoris s. p. . .	7	5 6.56	+ 4.82	[-24.45]	305 30 7.38	41.945	- 1 26.0	[50.1]	18 4 . .	.	.	.
23	α Canis Minoris . . .	11	34 24.17	+ 0.59	-24.33	33 22 7.82	42.918	+ 40.8	51.7	7 34 . .	.	.	.
24	β Geminorum . . .	11	39 31.41	+ 0.47	-24.31	10 34 3.52	46.948	+ 11.6	49.5	7 39 . .	.	.	.
25	ϕ Geminorum . . .	11	47 42.30	+ 0.48	-24.38	11 48 4.42	48.680	+ 13.0	50.5	7 47 . .	.	.	.
26	Moon I, N. . .	11	0 28.13	+ 0.53	-24.37	18 28 4.55	47.144	+ 20.7	50.4	8 0 4.29	+66.46	+ 20 22 6.3	.
27	η Cancræ . . .	11	27 15.54	+ 0.52	-24.44	18 4 5.52	43.851	+ 20.2	50.6	8 26 . .	.	.	.
February 5, Po.													
28	γ Geminorum . . .	10	32 15.63	+ 0.47	-24.31	22 22 5.68	43.548	+ 24.8	51.5	6 31 . .	.	.	.
29	λ Ursæ Minoris s. p. . .	5	23 15.32	+ 2.84	[-15.33]	307 52 2.60	42.966	- 1 17.2	[51.0]	19 23 . .	.	.	.
30	ϵ Hydræ . . .	11	41 49.17	+ 0.49	-24.43	32 2 5.65	48.262	+ 37.8	50.6	8 41 . .	.	.	.
31	Moon I, N. . .	11	51 38.76	+ 0.48	-24.44	22 42 25.55	45.183	+ 25.3	50.6	8 51 14.80	+65.36	+ 16 8 20.5	.
32	κ Cancræ . . .	11	2 40.20	+ 0.48	-24.49	27 46 36.68	43.412	+ 31.8	49.8	9 2 . .	.	.	.
33	α Leonis . . .	11	3 23.20	+ 0.48	-24.51	26 22 37.48	46.064	+ 30.0	49.8	10 2 . .	.	.	.
34	γ^1 Leonis . . .	11	14 47.85	+ 0.47	-24.48	18 30 34.88	42.139	+ 20.3	51.5	10 14 . .	.	.	.
February 6, S.													
35	Π Orionis . . .	11	59 10.61	+ 0.45	-24.53	23 34 4.50	47.710	+ 26.6	49.6	4 58 . .	.	.	.
36	Neptune C, C. . .	11	16 45.64	+ 0.43	-24.46	17 8 4.88	47.661	+ 18.8	50.0	5 16 21.61	.	+ 21 41 57.4	.
37	β Tauri . . .	11	20 17.13	+ 0.41	-24.48	10 20 3.62	43.575	+ 11.1	49.8	5 19 . .	.	.	.
38	ϵ Orionis . . .	11	31 28.37	+ 0.49	-24.50	40 6 4.98	46.032	+ 51.2	50.6	5 31 . .	.	.	.
39	α Orionis . . .	11	50 5.23	+ 0.47	-24.34	31 28 5.22	42.514	+ 37.2	49.7	5 49 . .	.	.	.
40	λ Ursæ Minoris s. p. . .	8	23 17.52	+ 8.02	[-22.30]	307 52 2.70	42.932	- 1 17.9	[50.2]	19 23 . .	.	.	.
41	ϵ Hydræ . . .	11	41 49.32	+ 0.47	-24.55	32 2 5.65	48.231	+ 38.2	50.3	8 41 . .	.	.	.
42	κ Cancræ . . .	11	2 40.30	+ 0.46	-24.59	27 46 5.58	45.024	+ 32.2	49.9	9 2 . .	.	.	.
43	α Hydræ . . .	11	23 1.13	+ 0.51	-24.55	47 4 5.20	42.431	+ 1 5.5	50.0	9 22 . .	.	.	.
44	Moon II, S. . .	11	43 29.51	+ 0.47	-24.58	28 16 6.28	46.960	+ 32.9	50.0	9 43 5.40	-64.49	+ 10 33 55.5	.
45	μ Leonis . . .	11	47 25.01	+ 0.41	-24.56	12 22 6.62	44.458	+ 13.4	50.0	9 47 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
3 7 26	30.150	15.9	14.0	2.	Bisections at C ₅ , C ₄ , C ₃ , C ₁ .	7	+ 7.0	.	0.1	+ 6.9
17 45	30.264	15.6	13.4	4.	Bisections at C ₁ , C ₃ , C ₅ .	9	+ 4.3	.	0.0	+ 4.3
18 49	30.280	19.5	18.2	10, 12.	Bisections at I, II.	10	+ 7.3	-16 14.1	.	-16 6.8
19 35	30.292	22.0	20.6	11.	Bisections at VI, VII.	11	+ 7.3	+16 14.1	.	+16 21.4
19 48	30.294	22.8	21.8	13, 35.	Bisections at II, VI, VII.	19	+ 0.1	.	.	+ 0.1
21 4	30.276	26.2	27.0	18, 38.	Bisections at I, II, VII.	26	+17 19.2	-15 1.8	.	+ 2 17.4
21 14	30.272	27.6	27.7	22.	Bisections at C ₄ , C ₃ , C ₂ .	31	+21 18.0	-15 9.4	.	+ 6 8.6
22 3	30.250	30.2	30.2	26, 44.	Bisections at II, III, IV, V, VI.	36	+ 0.1	.	.	+ 0.1
22 32	30.250	31.8	31.0	29, 40.	Bisections at C ₅ , C ₄ , C ₃ , C ₁ .	44	+26 24.3	+15 17.5	.	+41 41.8
22 44	30.250	32.5	31.2	31.	Bisections at IV, V, VI.					
4 50	30.218	27.8	28.1							
5 20	30.200	27.5	27.9							
6 1	30.190	27.2	26.9							
7 34	30.190	26.0	25.0							
8 27	30.180	25.3	24.9							
9 15	29.912	33.0	33.1							
10 20	29.936	32.0	32.8							
6 5	29.930	32.0	32.0							
6 3	30.025	31.9	31.4							
6 1	30.023	31.2	30.9							
7 28	30.027	30.5	29.9							
8 48	30.018	29.6	29.3							
9 54	30.020	29.1	29.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrument.	Clock.								
February 6, K.													
1	δ Ursæ Minoris . . .	5	m s 5 13.40	s - 1.75	s [-24.12]	312 16 4.72	44.304	- 1 7.0	[51.1]	18 4 . . .	.	.	.
2	η Serpentis	11	16 26.46	+ 0.62	-24.77	41 46 5.78	44.621	+ 54.5	50.9	18 16 . . .	.	.	.
3	α Lyrae	9	33 52.85	+ 0.47	-24.68	0 10 3.45	45.208	+ 0.2	50.0	18 33 . . .	.	.	.
4	β Lyrae	11	46 42.63	+ 0.50	-24.63	5 36 3.82	46.861	+ 6.0	49.3	18 46 . . .	.	.	.
5	ζ Aquilæ	11	1 7.35	+ 0.57	-24.56	25 8 6.15	45.276	+ 28.5	50.2	19 0 . . .	.	.	.
6	Mercury II, C.	11	49 58.45	+ 0.69	-24.68	60 20 5.05	46.586	+ 1 45.7	50.3	19 49 34.46	- 0.21	- 21 31 8.3	.
7	Venus I, C.	6	19 48.28	+ 0.68	-24.72	55 44 4.70	47.911	+ 1 27.9	50.3	21 19 24.24	+ 0.44	- 16 55 15.6	.
8	Venus II	5	19 49.16	+ 0.68	-24.72	.	.	.	.	21 19 25.12	- 0.44	.	.
February 7, K.													
9	Sun I, N.	11	25 2.47	+ 0.67	-24.72	53 42 4.48	43.900	+ 1 21.5	50.3	21 24 38.42	+ 67.50	- 14 51 50.3	.
10	Sun II, S.	11	27 17.48	+ 0.67	-24.72	54 14 4.18	45.108	+ 1 23.1	50.3	21 26 53.43	- 67.51	- 15 24 18.4	.
11	α Piscis Australis . . .	11	52 25.32	+ 0.73	-24.87	68 58 8.08	46.052	+ 2 33.7	50.4	22 52 . . .	.	.	.
12	α Pegasi	11	0 4.90	+ 0.56	-24.63	24 12 7.30	42.518	+ 26.7	51.2	22 59 . . .	.	.	.
13	ι Aurigæ	11	50 47.42	+ 0.36	-24.45	5 50 5.28	46.736	+ 6.2	50.0	4 50 . . .	.	.	.
14	ι Orionis	10	59 10.51	+ 0.41	-24.41	23 34 4.52	47.804	+ 26.3	50.6	4 58 . . .	.	.	.
15	Neptune C, C.	11	16 42.73	+ 0.39	-24.42	17 8 3.20	47.786	+ 18.6	50.4	5 16 18.70	.	+ 21 41 57.3	.
16	β Tauri	11	20 17.10	+ 0.37	-24.42	10 20 4.15	43.538	+ 11.0	49.6	5 19 . . .	.	.	.
17	ν Orionis	11	2 11.32	+ 0.41	-24.39	24 4 5.80	44.416	+ 27.0	51.2	6 1 . . .	.	.	.
18	δ Ursæ Minoris S. P. .	7	5 9.57	+ 2.36	[-24.26]	305 30 5.90	41.885	- 1 24.2	[50.8]	18 4 . . .	.	.	.
19	α Leonis	6	3 23.24	+ 0.41	-24.45	26 22 2.28	47.964	+ 30.2	51.1	10 2 . . .	.	.	.
20	γ Leonis	11	14 47.93	+ 0.39	-24.45	18 30 4.45	43.605	+ 20.4	49.3	10 14 . . .	.	.	.
21	ρ Leonis	9	27 53.13	+ 0.42	-24.30	29 0 4.10	47.874	+ 33.9	50.7	10 27 . . .	.	.	.
22	Moon II, S.	9	32 12.71	+ 0.44	-24.36	33 56 4.28	45.158	+ 41.1	50.4	10 31 48.79	- 64.11	+ 4 54 24.3	.
23	ι Leonis	10	44 20.29	+ 0.42	-24.25	27 46 3.78	44.266	+ 32.2	50.7	10 43 . . .	.	.	.
February 8, La.													
24	ι Orionis	11	59 4.78	+ 0.35	-18.63	23 34 3.72	47.902	+ 26.2	51.6	4 58 . . .	.	.	.
25	β Orionis	11	9 58.35	+ 0.39	-18.68	47 10 4.50	42.771	+ 1 4.7	50.7	5 9 . . .	.	.	.
26	Neptune C, C.	10	16 34.05	+ 0.34	-18.69	17 8 4.90	47.690	+ 18.6	50.4	5 16 15.70	.	+ 21 41 57.4	.
27	ε Orionis	11	31 22.66	+ 0.38	-18.70	40 6 4.98	46.060	+ 50.6	50.8	5 31 . . .	.	.	.
28	α Orionis	11	49 59.65	+ 0.36	-18.77	31 28 5.70	42.569	+ 36.8	50.7	5 49 . . .	.	.	.
29	δ Ursæ Minoris S. P. .	11	5 5.23	+ 2.12	[-19.39]	305 30 3.15	42.002	- 1 23.8	[50.8]	18 4 . . .	.	.	.
30	δ Leonis	11	9 2.38	+ 0.34	-18.90	17 46 4.82	45.344	+ 19.4	48.9	11 8 . . .	.	.	.
31	δ Crateris	11	14 35.45	+ 0.40	-19.00	53 4 3.25	43.779	+ 1 20.4	50.9	11 14 . . .	.	.	.
32	Moon II, S.	11	20 42.15	+ 0.39	-18.97	39 56 5.48	45.423	+ 50.7	50.4	11 20 23.57	- 64.38	- 1 5 51.6	.
33	ν Leonis	11	32 4.62	+ 0.38	-18.99	39 6 5.32	45.534	+ 49.2	49.9	11 31 . . .	.	.	.
34	γ Cephei S. P.	11	35 23.02	+ 0.83	[-19.05]	295 56 1.78	49.152	- 2 3.2	[50.6]	23 35 . . .	.	.	.
35	β Leonis	11	44 12.62	+ 0.35	-19.01	23 42 5.65	46.305	+ 26.6	49.5	11 43 . . .	.	.	.
February 8, Po.													
36	γ Aquilæ	10	41 43.84	+ 0.36	-19.54	28 28 5.40	47.720	+ 32.6	51.6	19 41 . . .	.	.	.
37	α Aquilæ	11	46 7.58	+ 0.36	-19.48	30 14 8.92	47.079	+ 35.0	50.5	19 45 . . .	.	.	.
February 9, Po.													
38	Sun I, N.	11	32 54.46	+ 0.40	-19.53	53 4 3.32	43.270	+ 1 18.6	52.0	21 32 35.33	+ 67.24	- 14 13 32.4	.
39	Sun II, S.	11	35 8.95	+ 0.40	-19.54	53 36 3.25	44.432	+ 1 20.1	52.0	21 34 49.81	- 67.24	- 14 45 59.8	.
40	α Andromedæ	11	3 26.23	+ 0.32	-19.58	10 20 3.02	42.512	+ 10.7	51.8	0 3 . . .	.	.	.
41	γ Pegasi	11	8 18.48	+ 0.35	-19.54	24 14 4.40	43.860	+ 26.4	52.5	0 7 . . .	.	.	.
42	β Ceti	11	38 48.05	+ 0.41	-19.69	57 22 2.85	46.571	+ 1 31.2	53.4	0 38 . . .	.	.	.
43	β Andromedæ	11	4 20.76	+ 0.30	-19.49	3 46 3.02	45.332	+ 3.9	52.4	1 4 . . .	.	.	.
44	α Ursæ Minoris	11	21 34.19	- 5.05	[-16.04]	310 6 2.00	45.249	- 1 9.1	[51.5]	1 21 . . .	.	.	.
45	ν Leonis	11	32 5.63	+ 0.40	-20.00	39 6 6.08	45.602	+ 48.9	51.6	11 31 . . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sun.	
d	h m	in.	°	°					' "	' "	"	' "	
6	18 8	30.066	29.0	28.8	1.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	6	+ 6.8	.	.	0.1	+ 6.7	
	18 44	30.074	32.5	31.9	9. 38.	Bisections at I, II.	7	+ 4.3	.	.	0.0	+ 4.3	
	19 6	30.080	34.0	33.2	10. 39.	Bisections at VI, VII.	9	+ 7.2	-16 14.0	.	.	-16 6.8	
	19 54	30.086	37.0	35.5	18.	Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	10	+ 7.3	+16 14.0	.	.	+16 21.3	
7	21 27	30.064	39.5	38.5	22. 32.	Bisections at II, III, IV, V, VI.	15	+ 0.1	.	.	.	+ 0.1	
	22 52	30.036	43.8	41.9	29. 34.	Bisections at C ₅ , C ₃ , C ₁ .	22	+ 31 25.3	+15 25.8	.	.	+46 51.1	
	23 33	30.038	44.0	42.0	36.	Bisections at I, II, VI.	26	+ 0.1	.	.	.	+ 0.1	
	4 50	30.050	37.3	37.1	44.	Bisections at C ₁ , C ₂ , C ₃ , C ₅ .	32	+ 36 28.5	+15 34.0	.	.	+52 2.5	
	6 10	30.058	34.0	35.0			38	+ 7.1	-16 13.7	.	.	-16 6.6	
	10 4	30.050	30.8	30.2			39	+ 7.2	+16 13.6	.	.	+16 20.8	
8	4 57	30.074	39.0	38.2									
	5 40	30.078	38.2	37.4									
	6 12	30.077	39.0	37.1									
	11 2	30.058	34.0	34.2									
	11 48	30.059	33.8	33.6									
	20 0	30.060	40.2	39.9									
9	21 35	30.074	45.7	44.9									
	0 15	30.050	50.2	49.7									
	1 32	30.046	50.5	49.5									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	β Leonis	II	44 13.54	+ 0.38	-19.94	23 42 5.35	46.376	+ 26.5	50.4	11 43 . . .	.		.
2	α Virginis	II	0 22.87	+ 0.38	-20.03	29 32 5.80	47.720	+ 34.2	50.9	12 0 . . .	.		.
3	Moon II	II	10 9.17	+ 0.41	-20.00	45 46 . . .	.	.	52.5	12 9 49.58	-65.37		.
4	η Virginis	II	15 3.12	+ 0.39	-19.96	38 56 4.80	46.899	+ 48.8	52.5	12 14 . . .	.		.
5	Jupiter I, S.	6	38 49.50	+ 0.40	-20.04	41 22 5.70	45.802	+ 53.2	51.3	12 38 29.86	+ 1.33	- 2 32 0.7	.
6	Jupiter II, N.	5	38 52.16	+ 0.40	-20.04	41 22 5.70	43.775	+ 53.2	51.3	12 38 32.52	- 1.33	- 2 31 21.7	.
7	θ Virginis	II	5 1.81	+ 0.40	-20.06	43 50 6.28	45.185	+ 58.0	50.9	13 4 . . .	.		.
8	α Virginis	II	20 10.88	+ 0.41	-20.16	49 28 5.75	44.741	+ 1 10.7	52.3	13 19 . . .	.		.
9	Ursæ Minoris s. p.	8	21 28.81	+ 3.51	[-19.66]	307 38 3.35	47.382	+ 1 17.9	51.2	1 21 . . .	.		.
10	η Bootis	II	50 11.26	+ 0.37	-20.07	19 56 5.68	46.794	+ 22.0	50.8	13 49 . . .	.		.
February 9, L.													
11	ζ Aquilæ	II	i 3.45	+ 0.37	-20.39	25 8 6.50	45.392	+ 28.1	50.5	19 0 . . .	.		.
February 10, L.													
12	Sun I, S.	II	36 52.79	+ 0.42	-20.53	53 16 3.98	46.130	+ 1 18.1	51.3	21 36 32.68	+67.12	- 14 26 28.2	.
13	Sun II, N.	II	39 7.03	+ 0.42	-20.53	52 44 3.82	44.675	+ 1 16.6	51.3	21 38 46.92	-67.12	- 13 54 2.3	.
14	α Andromedæ	II	3 27.18	+ 0.35	-20.57	10 20 3.45	42.454	+ 10.6	50.9	0 3 . . .	.		.
15	γ Pegasi	II	8 19.54	+ 0.37	-20.63	24 14 5.05	43.792	+ 26.1	51.4	0 7 . . .	.		.
16	β Ceti	II	38 49.13	+ 0.43	-20.80	57 22 3.90	46.529	+ 1 29.9	52.3	0 38 . . .	.		.
17	η Virginis	II	15 4.38	+ 0.24	-21.05	38 56 6.28	46.836	+ 47.9	51.7	12 14 . . .	.		.
18	β Corvi	II	29 24.94	+ 0.27	-21.30	61 40 5.65	43.251	+ 1 49.5	51.7	12 29 . . .	.		.
19	Jupiter I, N.	6	38 39.18	+ 0.24	-21.14	41 20 5.58	45.430	+ 52.1	51.6	12 38 18.28	+ 1.38	- 2 29 52.0	.
20	Jupiter II, S.	5	38 41.94	+ 0.24	-21.14	41 20 5.58	47.518	+ 52.1	51.6	12 38 21.04	- 1.38	- 2 30 32.0	.
21	Moon II, S.	II	i 33.40	+ 0.27	-21.16	51 50 4.62	43.587	+ 1 15.5	51.6	13 i 12.51	-67.09	- 13 2 54.3	.
22	θ Virginis	II	5 3.05	+ 0.25	-21.12	43 50 0.00	45.542	+ 56.9	51.6	13 4 . . .	.		.
23	α Ursæ Minoris s. p.	8	21 29.61	+ 5.26	[-23.03]	307 38 4.25	47.223	+ 1 16.4	51.2	1 21 . . .	.		.
24	ζ Virginis	II	29 52.59	+ 0.24	-21.14	38 54 5.32	48.275	+ 47.9	51.2	13 29 . . .	.		.
February 10, K.													
25	α Lyrae	II	33 49.68	+ 0.27	-21.20	0 9 59.70	45.544	+ 0.2	51.7	18 33 . . .	.		.
26	β Lyrae	6	46 39.52	+ 0.28	-21.20	5 36 3.90	46.965	+ 5.9	51.7	18 46 . . .	.		.
27	γ Aquilæ	II	41 45.68	+ 0.29	-21.27	28 28 5.90	47.688	+ 32.1	52.2	19 41 . . .	.		.
28	α Aquilæ	II	46 9.57	+ 0.29	-21.36	30 14 5.10	47.375	+ 34.4	51.5	19 45 . . .	.		.
29	Mercury II, C.	II	13 4.51	+ 0.32	-21.30	59 46 6.85	42.032	+ 1 40.4	52.4	20 12 43.53	- 0.20	- 20 55 35.4	.
February 11, K.													
30	Sun I, S.	II	40 50.17	+ 0.31	-21.36	52 56 3.48	47.112	+ 1 16.6	53.4	21 40 29.12	+67.02	- 14 6 42.9	.
31	Sun II, N.	II	43 4.21	+ 0.31	-21.36	52 24 9.65	45.360	+ 1 15.1	53.4	21 42 43.16	-67.02	- 13 34 17.7	.
32	α Andromedæ	II	3 28.08	+ 0.28	-21.40	10 20 2.62	42.724	+ 10.4	54.9	0 3 . . .	.		.
33	γ Pegasi	II	8 20.45	+ 0.29	-21.47	24 14 3.22	44.091	+ 25.6	54.7	0 7 . . .	.		.
34	β Ceti	9	38 49.95	+ 0.32	-21.52	57 22 0.90	46.942	+ 1 28.7	56.1	0 38 . . .	.		.
35	ϵ Piscium	II	58 0.70	+ 0.29	-21.47	31 30 5.45	45.232	+ 34.9	55.3	0 57 . . .	.		.
36	α Ursæ Minoris	5	21 34.04	- 0.77	[-21.83]	310 6 1.42	45.356	+ 1 7.2	55.5	1 21 . . .	.		.
February 13, S.													
37	α Ursæ Minoris s. p.	4	21 31.55	- 3.68	[-18.24]	307 38 2.32	47.204	+ 1 17.6	51.2	1 21 . . .	.		.
38	ζ Virginis	II	29 48.99	+ 0.29	-17.51	38 54 4.65	48.272	+ 48.6	50.8	13 29 . . .	.		.
39	η Bootis	II	50 8.85	+ 0.32	-17.50	19 56 4.45	46.806	+ 21.9	49.4	13 49 . . .	.		.
40	α^2 Libræ	II	45 33.11	+ 0.27	-17.58	54 26 2.75	48.150	+ 1 24.1	50.1	14 45 . . .	.		.
41	β Libræ	II	11 49.85	+ 0.28	-17.52	47 50 5.15	46.962	+ 1 6.4	50.4	15 11 . . .	.		.
42	Moon II, S.	II	56 20.10	+ 0.26	-17.53	64 42 1.60	42.313	+ 2 6.8	50.3	15 56 2.83	-74.31	- 25 52 4.1	.
43	β^1 Scorpii	II	59 48.93	+ 0.26	-17.53	58 22 1.85	42.618	+ 1 37.4	50.2	15 59 . . .	.		.
44	α Scorpii	II	23 27.73	+ 0.25	-17.53	65 2 2.22	43.314	+ 2 8.7	50.8	16 23 . . .	.		.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	
9 11 36	30.018	36.5	36.0	5, 20.				5	+ 1.3	+ 19.5	.	+ 20.8	
12 15	30.006	35.0	34.0	6, 19.				6	+ 1.3	- 19.5	.	- 18.2	
13 45	29.994	34.4	32.7	9, 36.				12	+ 7.2	+16 12.9	.	+16 20.1	
19 3	30.024	38.4	38.3	11, 12, 30.				13	+ 7.1	-16 12.9	.	-16 5.8	
21 39	30.038	48.8	50.9	13, 22, 24, 26, 31, 38, 43.				19	+ 1.3	- 20.0	.	- 18.7	
0 6	30.010	53.1	55.3	21.				20	+ 1.3	+ 20.0	.	+ 21.3	
0 41	30.018	55.3	56.7	21.				21	+45 29.3	+15 49.6	.	+61 18.9	
12 19	30.054	44.0	43.9	23.				29	+ 6.4	.	- 0.1	+ 6.3	
13 28	30.054	43.4	43.3	37.				30	+ 7.1	+16 12.6	.	+16 19.7	
18 36	30.090	43.6	41.6	40.				31	+ 7.1	-16 12.6	.	-16 5.5	
19 48	30.100	47.0	46.3	42.				42	+53 24.1	+16 9.5	.	+69 33.6	
20 13	30.100	49.6	49.1										
21 43	30.080	54.0	55.9										
0 1	30.020	59.8	63.4										
1 0	30.020	63.2	63.0										
1 17	30.020	62.8	62.8										
13 33	29.683	32.9	30.0										
14 56	29.650	31.8	29.6										
16 30	29.627	31.5	29.5										
Bisections at II, VI.													
Bisections at I, VII.													
Bisections at C ₂ , C ₁ , B ₃ , B ₁ .													
Bisections at I, II.													
Bisections at VI, VII.													
Bisections at II, III, IV, V, VI.													
Z. D. thread A used.													
Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .													
Bisections at C ₄ , C ₃ , C ₂ , C ₁ .													
Bisections at II, VI, VII.													
Bisections at II, IV, VI.													

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.	
				Instru- ment.	Clock.									
	February 13, L.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"	
1	ζ Aquilæ	6	1 0.81	+ 0.33	-17.62	25 8	.	.	.	19 0	.	.	.	
2	α Aquilæ	11	46 5.87	+ 0.33	-17.65	30 14	5.62	47.281	+ 34.3	19 45	.	.	.	
3	γ Cygni	11	18 50.55	+ 0.30	-17.54	358 56	3.70	43.312	- 1.0	20 18	.	.	.	
4	Mercury C. C. . . .	11	31 2.84	+ 0.34	-17.61	59 6	2.05	42.566	+ 1 37.2	50.2	20 30 45.57	- 0.03	- 20 15 39.9	
	February 14, L.													
5	Sun I, N.	11	52 31.26	+ 0.34	-17.61	51 24	3.42	44.015	+ 1 12.0	50.2	21 52 13.99	+66.78	- 12 33 42.0	
6	Sun II, S.	11	54 44.82	+ 0.34	-17.61	51 56	3.32	45.122	+ 1 13.4	50.2	21 54 27.55	-66.78	- 13 6 8.3	
7	α Pegasi	9	59 58.13	+ 0.32	-17.63	24 12	3.95	42.795	+ 25.8	50.0	22 59	.	.	
8	α Andromedæ	11	3 24.17	+ 0.32	-17.56	10 20	3.70	42.386	+ 10.5	49.1	0 3	.	.	
9	γ Pegasi	11	8 16.48	+ 0.32	-17.55	24 14	4.62	43.628	+ 25.8	48.6	0 7	.	.	
10	β Ceti	11	38 46.10	+ 0.34	-17.73	57 22	2.35	46.621	+ 1 29.1	51.9	0 38	.	.	
11	α Ursæ Minoris . . .	6	21 29.88	- 1.79	[-18.82]	310 6	2.18	45.275	- 1 7.4	[52.8]	1 21	.	.	
	February 15, S.													
12	Moon II.	11	8 10.21	+ 0.39	-17.13	65 24	.	.	.	18 7 53.47	-75.61	.	.	
13	α Lyrae	11	33 45.50	+ 0.46	-17.07	0 10	2.55	45.322	+ 0.2	49.3	18 33	.	.	
14	β Lyrae	10	46 35.41	+ 0.45	-17.13	5 36	3.90	46.935	+ 6.0	48.8	18 46	.	.	
15	γ Aquilæ	11	41 41.53	+ 0.42	-17.15	28 28	6.10	47.495	+ 33.1	49.1	19 41	.	.	
16	α Aquilæ	6	46 5.38	+ 0.42	-17.20	30 14	4.92	47.163	+ 35.5	48.2	19 45	.	.	
17	Mercury C. C. . . .	11	43 18.69	+ 0.39	-17.14	58 32	3.92	45.160	+ 1 39.0	48.8	20 43 1.94	- 0.03	- 19 42 34.7	
	February 16, S.													
18	Sun I, N.	11	0 17.19	+ 0.40	-17.15	50 42	6.12	45.535	+ 1 13.8	48.8	22 0 0.44	+66.52	- 11 52 17.1	
19	Sun II, S.	11	2 30.24	+ 0.40	-17.15	51 14	4.42	46.582	+ 1 15.3	48.8	22 2 13.49	-66.53	- 12 24 40.7	
20	α Andromedæ	11	3 23.62	+ 0.44	-17.14	10 20	4.62	42.295	+ 11.1	48.5	0 3	.	.	
21	γ Pegasi	11	8 15.92	+ 0.43	-17.11	24 14	4.35	43.638	+ 27.3	48.4	0 7	.	.	
22	β Ceti	11	38 45.59	+ 0.39	-17.28	57 22	3.88	46.102	+ 1 34.5	49.1	0 38	.	.	
23	α Andromedæ	11	4 18.11	+ 0.46	-17.09	3 46	5.00	45.130	+ 4.1	49.3	1 4	.	.	
24	α Ursæ Minoris . . .	8	21 19.56	+ 4.26	[-16.02]	310 6	.	.	.	.	1 21	.	.	
25	γ Corvi	11	10 52.88	+ 0.54	-17.42	55 48	4.98	46.009	+ 1 31.3	48.6	12 10	.	.	
26	η Virginis	11	15 0.60	+ 0.54	-17.44	38 56	5.72	46.642	+ 50.2	48.8	12 14	.	.	
27	Jupiter I, S.	6	37 12.45	+ 0.54	-17.40	41 10	5.75	46.262	+ 54.4	48.7	12 36 55.59	+ 1.37	- 2 20 13.3	
28	Jupiter II, N. . . .	5	37 15.20	+ 0.54	-17.40	41 10	5.75	44.098	+ 54.4	48.7	12 36 58.34	- 1.38	- 2 19 31.8	
29	θ Virginis	11	4 59.19	+ 0.54	-17.39	43 50	6.00	45.040	+ 59.7	48.4	13 4	.	.	
30	α Virginis	11	20 8.13	+ 0.54	-17.36	49 28	0.98	44.778	+ 1 12.7	49.0	13 19	.	.	
31	α Ursæ Minoris S. P.	6	21 22.42	- 0.64	[-14.37]	307 38	3.48	47.255	- 1 20.1	[47.1]	1 21	.	.	
	February 16, L.													
32	β Lyrae	11	46 35.79	+ 0.43	-17.46	5 36	4.10	46.881	+ 6.1	47.9	18 46	.	.	
33	ζ Aquilæ	11	1 0.65	+ 0.43	-17.49	25 8	5.42	45.199	+ 29.0	47.1	19 0	.	.	
34	Moon II.	11	13 27.75	+ 0.45	-17.46	63 4	.	.	.	.	19 13 10.74	-74.16	.	
35	γ Aquilæ	11	41 41.83	+ 0.43	-17.44	28 28	5.60	47.440	+ 33.3	47.7	19 41	.	.	
36	α Aquilæ	11	46 5.64	+ 0.43	-17.45	30 14	5.08	47.175	+ 35.8	48.4	19 45	.	.	
37	Mercury C. C. . . .	11	49 31.00	+ 0.44	-17.47	58 14	4.35	43.569	+ 1 38.5	47.7	20 49 13.97	- 0.03	- 19 24 5.2	
	February 17, L.													
38	Sun I, S.	10	4 9.62	+ 0.44	-17.47	50 54	4.55	43.465	+ 1 14.6	47.7	22 3 52.59	+66.43	- 12 3 37.7	
39	Sun II, N.	11	6 22.48	+ 0.44	-17.47	50 22	4.02	42.168	+ 1 13.1	47.7	22 6 5.45	-66.43	- 11 31 14.6	
40	α Pegasi	11	59 57.83	+ 0.43	-17.43	24 12	6.90	42.375	+ 27.2	47.4	22 59	.	.	
41	α Andromedæ	11	3 23.99	+ 0.43	-17.50	10 20	3.62	42.316	+ 11.0	47.7	0 3	.	.	
42	γ Pegasi	11	8 16.19	+ 0.43	-17.38	24 14	4.50	43.596	+ 27.1	47.4	0 7	.	.	
43	β Ceti	11	38 45.77	+ 0.44	-17.61	57 22	3.65	46.119	+ 1 33.4	48.1	0 38	.	.	
44	α Ursæ Minoris . . .	8	21 24.55	- 0.12	[-17.41]	310 6	3.58	45.208	- 1 10.6	[49.5]	1 21	.	.	
Time. Barom. Att. Ther. Ex. Ther. Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.										No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m in. ° °											' "	' "	"	' "
13	19 47	29.624	40.6	40.0	5, 7, 18, 38.	Bisections at I, II.	4	+	6.2	.	.	- 0.1	+ 6.1	
20	33	29.624	45.2	44.6	6, 9, 19, 39.	Bisections at VI, VII.	5	+	7.0	-16 13.2	.	.	-16 6.2	
14	21 54	29.604	49.3	50.5	11.	Bisections at C ₁ , C ₂ , C ₃ .	6	+	7.0	+16 13.1	.	.	+16 20.1	
23	2	29.604	51.0	51.3	16.	Bisections at I, VI, VII.	17	+	6.0	.	.	- 0.1	+ 5.9	
0	11	29.600	52.1	52.6	23.	Bisections at I, II, VII.	18	+	6.9	-16 11.8	.	.	-16 4.9	
0	42	29.586	52.9	53.9	27.	Bisections at II, VI.	19	+	7.0	+16 11.7	.	.	+16 18.7	
1	10	29.588	54.0	54.1	28.	Bisections at I, VII.	27	+	1.2	+ 20.7	.	.	+ 21.9	
15	17 47	29.494	25.8	22.0	31.	Bisections at B ₁ , B ₂ .	28	+	1.2	- 20.8	.	.	- 19.6	
16	52	29.534	27.2	22.8	44.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	37	+	5.9	.	.	- 0.1	+ 5.8	
19	51	29.584	27.7	23.2			38	+	6.9	+16 11.6	.	.	+16 18.5	
20	45	29.576	28.8	24.4			39	+	6.9	-16 11.5	.	.	-16 4.6	
22	2	29.560	29.6	26.2										
0	15	29.616	29.7	26.1										
1	26	29.662	28.1	26.2										
12	20	29.902	19.6	18.7										
13	32	29.928	19.6	19.0										
15	49	30.014	24.9	23.0										
19	44	30.034	26.0	26.1										
20	51	30.062	31.6	29.0										
22	6	30.025	33.6	32.2										
23	0	30.020	35.3	33.8										
0	10	30.024	37.9	37.0										
0	41	30.018	35.4	38.3										
1	17	30.012	39.3	39.1										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	February 22, S.		m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	♄ Sagittarii	11	49 16.17	+ 0.53	-19.37	65 14 4.45	46.169	+ 2 10.5	48.7	18 48 . .	. .		. .
2	♄ Aquilæ	11	1 2.71	+ 0.45	-19.43	25 8 5.15	45.370	+ 28.4	48.9	19 0 . .	. .		. .
3	♄ Aquilæ	11	41 43.95	+ 0.46	-19.46	28 28 5.85	47.630	+ 32.7	50.4	19 41 . .	. .		. .
4	♄ Aquilæ	11	46 7.69	+ 0.46	-19.40	30 14 4.90	47.279	+ 35.1	49.0	19 45 . .	. .		. .
	February 23, S.												
5	Sun I, S.	9	27 10.61	+ 0.49	-19.43	48 44 4.35	44.448	+ 1 8.0	48.9	22 26 51.67	+ 65.75	9 53 48.6	. .
6	Sun II, N.	11	29 22.11	+ 0.49	-19.43	48 12 5.65	43.130	+ 1 6.8	48.9	22 29 3.17	- 65.75	9 21 27.5	. .
7	♄ Andromedæ	11	3 25.83	+ 0.42	-19.36	10 20 4.72	42.346	+ 10.9	48.3	0 3 . .	. .		. .
8	♄ Pegasi	11	8 18.25	+ 0.45	-19.48	24 14 5.32	43.715	+ 26.8	48.2	0 7 . .	. .		. .
9	Moon I.	11	37 49.27	+ 0.47	-19.44	29 42 . .	. .	. .	. .	0 37 30.30	+ 64.77		. .
10	♄ Andromedæ	11	4 20.45	+ 0.41	-19.46	3 46 5.85	45.025	+ 4.0	48.7	1 4 . .	. .		. .
11	♄ Ursæ Minoris . . .	3	21 27.10	- 2.35	[-22.75]	310 6 5.85	44.957	- 1 10.1	[49.1]	1 21 . .	. .		. .
12	♄ Virginis	11	0 22.70	+ 0.46	-19.66	29 32 2.50	47.758	+ 34.2	47.3	12 0 . .	. .		. .
13	♄ Virginis	11	15 3.05	+ 0.47	-19.69	38 56 5.50	46.750	+ 48.8	48.4	12 14 . .	. .		. .
14	Jupiter I, S. . . .	6	35 10.77	+ 0.48	-19.68	40 56 5.78	43.788	+ 52.3	48.2	12 34 51.57	+ 1.55	2 5 24.3	. .
15	Jupiter II, N. . . .	5	35 13.88	+ 0.48	-19.68	40 56 5.78	41.548	+ 52.3	48.2	12 34 54.68	- 1.56	2 4 41.3	. .
16	♄ Virginis	11	5 1.72	+ 0.48	-19.70	43 50 5.75	45.185	+ 58.0	48.3	13 4 . .	. .		. .
17	♄ Virginis	11	20 10.65	+ 0.49	-19.66	49 28 5.45	44.668	+ 1 10.6	48.7	13 19 . .	. .		. .
18	♄ Ursæ Minoris S. P.	7	21 14.33	+ 4.14	[-16.82]	307 38 4.00	47.025	- 1 17.8	[47.3]	1 21 . .	. .		. .
	February 23, L.												
19	♄ Aquilæ	11	41 44.43	+ 0.34	-19.80	28 28 5.80	47.522	- 32.2	47.7	19 41 . .	. .		. .
20	♄ Aquilæ	11	46 8.26	+ 0.34	-19.83	30 14 5.45	47.222	+ 34.6	47.8	19 45 . .	. .		. .
21	♄ Cygni	10	18 53.10	+ 0.26	-19.86	358 56 3.68	43.304	- 1.0	47.0	20 18 . .	. .		. .
22	Mercury I, C. . . .	6	33 55.87	+ 0.38	-19.87	55 28 3.22	42.774	+ 1 24.8	48.2	21 33 36.38	+ 0.25	16 37 34.6	. .
23	Mercury II.	5	33 56.42	+ 0.38	-19.87		. .	. .	. .	21 33 36.93	- 0.30		. .
24	♄ Pegasi	11	39 30.24	+ 0.34	-19.90	29 26 4.22	45.485	+ 33.0	48.2	21 39 . .	. .		. .
	February 24, L.												
25	Sun I, N.	11	30 58.39	+ 0.37	-19.89	47 50 4.38	42.968	+ 1 4.2	48.2	22 30 38.87	+ 65.89	8 59 17.1	. .
26	Sun II, S.	11	33 10.17	+ 0.37	-19.89	48 22 4.10	43.840	+ 1 5.4	48.2	22 32 50.65	- 65.89	9 31 38.6	. .
27	Venus I, S.	6	42 19.95	+ 0.37	-19.80	48 34 5.00	45.335	+ 1 6.0	48.2	22 42 0.42	+ 0.40	9 47 22.0	. .
28	Venus II, N.	5	42 20.76	+ 0.37	-19.90	48 34 5.00	44.720	+ 1 6.0	48.2	22 42 1.23	- 0.41	9 47 10.2	. .
29	♄ Ceti	11	19 15.65	+ 0.37	-19.94	47 32 4.50	46.959	+ 1 3.1	48.9	1 18 . .	. .		. .
30	Moon I, S.	11	27 21.98	+ 0.34	-19.95	24 38 5.48	43.533	+ 26.6	48.2	1 27 2.37	+ 65.23	14 9 51.4	. .
31	♄ Arietis	11	49 20.55	+ 0.32	-19.97	18 32 3.25	45.312	+ 19.4	49.3	1 49 . .	. .		. .
32	♄ Arietis	11	1 45.72	+ 0.31	-19.97	15 52 2.88	44.626	+ 16.5	48.3	2 1 . .	. .		. .
	February 25, B.												
33	♄ Aquilæ	11	46 8.69	+ 0.30	-20.18	30 14 7.18	47.169	+ 35.5	49.3	19 45 . .	. .		. .
34	♄ Cygni	11	18 53.47	+ 0.26	-20.17	358 56 3.22	43.488	- 1.1	49.5	20 18 . .	. .		. .
35	♄ Cygni	11	38 16.33	+ 0.25	[-20.10]	353 56 3.42	46.351	- 6.4	49.4	20 37 . .	. .		. .
36	♄ Cygni	11	8 55.30	+ 0.28	-20.15	9 2 4.12	46.708	+ 9.7	49.6	21 8 . .	. .		. .
37	♄ Pegasi	11	39 30.65	+ 0.30	-20.20	29 26 6.20	45.445	+ 34.1	50.3	21 39 . .	. .		. .
38	Mercury C, C. . . .	11	46 53.25	+ 0.32	-20.19	54 28 5.60	44.315	+ 1 24.5	49.1	21 46 33.38	- 0.01	15 38 5.4	. .
	February 26, B.												
39	Sun I, N.	11	38 32.25	+ 0.31	-20.20	47 4 5.35	46.850	+ 1 4.7	49.1	22 38 12.36	+ 65.66	8 14 32.1	. .
40	Sun II, S.	11	40 43.57	+ 0.31	-20.20	47 36 5.00	47.698	+ 1 5.9	49.1	22 40 23.68	- 65.66	8 46 53.0	. .
41	♄ Andromedæ	11	4 21.32	+ 0.27	-20.22	3 46 4.18	45.242	+ 4.0	49.3	1 4 . .	. .		. .
42	♄ Ursæ Minoris . . .	7	21 18.53	- 2.80	[-15.65]	310 6 5.40	45.080	- 1 10.4	[47.0]	1 21 . .	. .		. .
43	♄ Arietis	11	49 20.83	+ 0.29	-20.25	18 32 7.58	45.018	+ 20.0	48.4	1 49 . .	. .		. .
44	♄ Arietis	11	1 45.95	+ 0.28	-20.20	15 52 8.25	44.321	+ 17.0	48.3	2 1 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.	No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d	h	m	in.	°	°			'	'	'	'	
22	18	56	29.736	31.2	29.4	5, 8, 25, 39.	Bisections at I, II.	5	+	6.7	+16 10.5	+16 17.2
	19	51	29.745	34.0	32.2	6.	Bisection at VII.	6	+	6.6	-16 10.5	-16 3.9
23	22	29	29.742	33.8	34.8	10, 26, 40.	Bisections at VI, VII.	14	+	1.2	+ 21.5	+ 22.7
	0	16	29.708	39.0	36.8	11, 18.	Bisections at D ₁ , D ₂ , D ₃ .	15	+	1.2	- 21.5	- 20.3
	1	33	29.698	39.1	37.1	13, 15, 28.	Bisections at I, VII.	22	+	5.5	- 0.1	+ 5.4
	12	5	29.684	30.8	29.0	14, 27.	Bisections at II, VI.	25	+	6.6	-16 10.7	-16 4.1
	13	33	29.667	30.3	28.5	17.	Bisections at II, VI, VII.	26	+	6.7	+16 10.7	+16 17.4
24	19	43	29.740	38.2	37.9	27, 28, 30.	Z. D. thread A used.	27	+	3.9	+ 5.9	+ 9.8
	21	36	29.740	46.0	44.9	30.	Bisections at II, III, IV, V, VI.	28	+	3.9	- 5.9	- 2.0
	22	33	29.710	47.6	46.9	42.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	30	+	23 10.5	+15 14.2	+38 24.7
	1	30	29.686	50.9	50.8			38	+	5.4	. .	+ 5.3
25	1	55	29.686	50.5	49.0			39	+	6.5	-16 10.4	-16 3.9
	19	47	29.888	30.8	29.0			40	+	6.6	+16 10.4	+16 17.0
	20	23	29.892	32.1	30.2						0.1	
	20	40	29.900	32.8	30.8							
	21	16	29.900	32.8	30.6							
	21	49	29.898	34.2	32.0							
26	22	40	29.878	36.0	33.5							
	0	52	29.844	38.0	36.8							
	1	40	29.844	38.2	37.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			Instru- ment.	Clock.										
			m	s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	ξ Ceti	11	7	56.32	+ 0.30	-20.28	30 28 5.62	46.010	+ 35.1	48.7	2 7 . .	.	.	.
2	α Ceti	11	57	17.76	+ 0.30	-20.22	35 10 5.90	41.710	+ 42.0	49.1	2 56 . .	.	.	.
3	β Moon I, S.	11	9	31.89	+ 0.30	-20.24	16 44 5.12	47.567	+ 18.0	49.1	3 9 11.95	+67.06	+ 22 5 59.0	.
4	η Tauri	11	41	46.52	+ 0.28	-20.22	15 4 5.38	42.754	+ 16.1	48.9	3 41 . .	.	.	.
5	ζ Persei	11	48	4.52	+ 0.28	-20.20	7 16 4.50	44.741	+ 7.7	48.1	3 47 . .	.	.	.
6	β Leonis	11	44	14.33	+ 0.38	-20.43	23 42 7.05	46.158	+ 26.8	47.7	11 43 . .	.	.	.
7	ο Virginis	11	0	23.52	+ 0.39	-20.37	29 32 7.85	47.468	+ 34.6	47.3	12 0 . .	.	.	.
8	γ Corvi	11	10	56.23	+ 0.41	-20.46	55 48 5.48	46.180	+ 29.5	48.6	12 10 . .	.	.	.
9	η Virginis	11	15	3.90	+ 0.39	-20.41	38 56 5.15	46.798	+ 49.2	49.2	12 14 . .	.	.	.
10	Jupiter I, S.	6	34	10.35	+ 0.40	-20.42	40 48 6.18	46.340	+ 52.6	48.4	12 33 50.33	+ 1.43	- 1 58 13.7	.
11	Jupiter II, N.	5	34	13.22	+ 0.40	-20.42	40 48 6.18	44.148	+ 52.6	48.4	12 33 53.20	- 1.44	- 1 57 31.7	.
12	θ Virginis	11	5	2.62	+ 0.40	-20.46	43 50 6.05	45.179	+ 58.5	48.6	13 4 . .	.	.	.
13	α Virginis	11	20	11.55	+ 0.40	-20.39	49 28 5.68	44.678	+ 11.3	48.8	13 19 . .	.	.	.
14	α Ursæ Minoris s. p.	6	21	18.03	+ 2.61	[-20.83]	307 38 0.82	47.236	- 18.6	[48.9]	1 20 . .	.	.	.
15	α Bootis	11	11	22.78	+ 0.38	-20.43	19 8 1.88	46.168	+ 21.2	48.5	14 11 . .	.	.	.
February 27, S.														
16	β Andromedæ	11	4	21.55	+ 0.32	-20.51	3 46 3.90	45.248	+ 4.0	49.0	1 4 . .	.	.	.
17	η Tauri	11	41	46.73	+ 0.34	-20.51	15 4 3.40	42.809	+ 16.1	47.9	3 41 . .	.	.	.
18	ζ Persei	11	48	4.77	+ 0.33	-20.51	7 16 4.15	44.810	+ 7.7	48.9	3 47 . .	.	.	.
19	β Moon I, S.	11	2	38.36	+ 0.35	-20.53	14 24 4.30	44.591	+ 15.4	48.7	4 2 18.18	+67.91	+ 24 26 59.1	.
20	γ Tauri	10	14	21.00	+ 0.36	-20.56	23 28 2.60	44.164	+ 26.0	49.0	4 14 . .	.	.	.
February 27, L.														
21	γ Aquilæ	11	41	45.52	+ 0.41	-20.86	28 28 6.40	47.475	+ 32.9	47.6	19 41 . .	.	.	.
22	α Aquilæ	11	46	9.30	+ 0.42	-20.86	30 14 5.90	47.171	+ 35.4	47.8	19 45 . .	.	.	.
23	γ Cygni	11	18	54.11	+ 0.37	-20.88	358 56 4.12	43.369	+ 1.1	47.7	20 18 . .	.	.	.
24	ζ Cygni	10	8	55.96	+ 0.39	-20.89	9 2 5.60	46.556	+ 9.6	47.6	21 8 . .	.	.	.
25	ε Pegasi	11	39	31.23	+ 0.42	-20.92	29 26 5.85	45.372	+ 33.9	48.3	21 39 . .	.	.	.
26	Mercury I, C.	6	59	56.65	+ 0.44	-20.89	53 24 3.48	41.954	+ 20.7	47.7	21 59 36.20	+ 0.31	- 14 33 15.6	.
27	Mercury II.	5	59	57.30	+ 0.44	-20.89	.	.	.	.	21 59 36.85	- 0.34	.	.
February 28, L.														
28	Sun I, S.	11	46	3.78	+ 0.44	-20.89	46 52 5.25	44.000	+ 3.9	47.7	22 45 43.33	+65.52	8 1 38.0	.
29	Sun II, N.	11	48	14.82	+ 0.44	-20.89	46 20 5.18	42.785	+ 2.7	47.7	22 47 54.37	-65.52	7 29 17.2	.
30	Venus I, C.	6	1	4.65	+ 0.44	-20.89	46 44 6.48	43.054	+ 3.5	47.7	23 0 44.20	+ 0.44	7 53 22.6	.
31	Venus II.	5	1	5.52	+ 0.44	-20.89	.	.	.	.	23 0 45.07	- 0.43	.	.
32	α Andromedæ	11	3	27.33	+ 0.39	-20.85	10 20 4.22	42.381	+ 10.9	47.7	0 3 . .	.	.	.
33	β Andromedæ	11	4	21.88	+ 0.38	-20.91	3 46 4.90	45.042	+ 4.0	47.3	1 4 . .	.	.	.
34	α Ursæ Minoris	6	21	21.85	+ 2.41	[-20.46]	310 6 4.25	45.248	- 9.9	[49.1]	1 20 . .	.	.	.
35	β Arietis	11	49	21.39	+ 0.40	-20.94	18 42 . .	.	.	.	1 49 . .	.	.	.
36	ε Tauri	11	23	1.71	+ 0.40	-20.92	19 54 6.85	42.874	+ 21.5	47.4	4 22 . .	.	.	.
37	α Tauri	11	30	26.21	+ 0.41	-20.98	22 32 6.28	45.914	+ 24.6	47.0	4 30 . .	.	.	.
38	ι Aurigæ	11	50	43.57	+ 0.38	-20.99	5 50 6.22	46.586	+ 6.1	48.0	4 50 . .	.	.	.
39	β Moon I, S.	11	56	46.73	+ 0.40	-20.96	13 14 0.48	44.094	+ 14.1	47.4	4 56 26.17	+68.40	+ 25 33 57.3	.
40	β Tauri	11	20	13.27	+ 0.39	-20.94	10 20 5.25	43.361	+ 10.9	47.4	5 19 . .	.	.	.
41	η Virginis	11	15	4.59	+ 0.44	-21.12	38 56 5.98	46.790	+ 48.7	49.2	12 14 . .	.	.	.
42	β Corvi	11	29	25.01	+ 0.52	-21.23	61 40 5.55	43.169	+ 51.4	47.8	12 29 . .	.	.	.
43	Jupiter I, S.	6	33	27.63	+ 0.45	-21.12	40 44 5.88	43.150	+ 51.9	48.0	12 33 6.96	+ 1.46	1 53 11.9	.
44	Jupiter II, N.	5	33	30.54	+ 0.45	-21.12	40 44 5.88	41.000	+ 51.9	48.0	12 33 9.87	- 1.45	1 52 30.7	.
45	θ Virginis	11	5	3.24	+ 0.46	-21.10	43 50 4.02	45.262	+ 57.9	47.4	13 4 . .	.	.	.
46	α Virginis	11	20	12.18	+ 0.48	-21.06	49 28 5.88	44.650	+ 10.6	47.5	13 19 . .	.	.	.
47	α Ursæ Minoris s. p.	8	21	15.98	+ 8.54	[-25.82]	307 38 4.42	46.963	- 17.8	[49.7]	1 20 . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d	h m	in.	°	°						/ //	/ //	//	/ //	
26	2 11	29.840	38.0	37.0	2.	Bisections at II, VI, VII.				3	+15 38.0	+14 55.9	.	+30 33.9
	3 0	29.840	37.5	37.0	3.	Bisections at II, III, IV, V, VI.				10	+ 1.2	+ 21.0	.	+ 22.2
	5 58	29.850	36.6	36.0	10, 19, 39.	Bisections at I, VII.				11	+ 1.2	+ 21.0	.	- 19.8
	11 28	29.804	28.2	28.0	10, 43.	Bisections at II, VI.				19	+13 23.7	+14 50.7	.	+28 14.4
	12 20	29.854	28.6	27.8	11, 44.	Bisections at C ₂ , C ₁ , B ₃ , B ₂ .				26	+ 5.3	.	- 0.1	+ 5.2
	14 5	29.880	28.8	27.7	14.	Bisections at I, II.				28	+ 6.5	+16 10.4	.	+16 16.9
27	1 9	29.804	39.1	37.0	28.	Bisections at VI, VII.				29	+ 6.4	-16 10.3	.	-16 3.9
	3 48	29.797	37.1	36.0	29, 33.	Bisections at C ₁ , C ₂ , C ₃ .				30	+ 3.8	.	0.0	+ 3.8
	4 12	29.800	36.8	35.4	34, 47.	Z. D. thread A used.				39	+12 20.2	+14 48.4	.	+27 8.6
	19 41	29.710	29.7	26.9	39.					43	+ 1.2	+ 20.6	.	+ 21.8
	21 11	29.684	31.8	29.0						44	+ 1.2	- 20.6	.	- 19.4
	21 40	29.680	32.7	30.8										
	22 2	29.670	33.0	31.3										
28	22 48	29.654	33.5	32.2										
	0 10	29.628	36.9	35.1										
	1 4	29.626	38.3	36.7										
	1 26	29.610	38.0	37.2										
	4 28	29.612	38.0	36.2										
	5 20	29.620	35.8	34.8										
	12 15	29.622	30.8	29.1										
41 to 47. Change of temperature, etc., derived from the Met. Journal.														

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	February 28, Br.		m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	δ Aquilæ	11	20 42.67	+ 0.45	-21.13	35 56 7.08	44.375	+ 43.9	48.7	19 20 . .	. .		. .
2	γ Aquilæ	11	41 45.73	+ 0.45	-21.09	28 28 6.70	47.500	+ 32.8	48.3	19 41 . .	. .		. .
3	α Aquilæ	11	46 9.58	+ 0.45	-21.15	30 14 6.48	47.189	+ 35.2	48.4	19 45 . .	. .		. .
4	γ Cygni	11	18 54.33	+ 0.42	-21.13	358 56 4.68	43.389	- 1.1	48.4	20 18 . .	. .		. .
5	ζ Cygni	11	8 56.19	+ 0.42	-21.13	9 2 5.25	46.649	+ 9.6	49.0	21 8 . .	. .		. .
6	Mercury C. C. . . .	11	6 30.96	+ 0.47	-21.13	52 48 5.30	46.956	+ 18.7	48.5	22 6 10.30	- 0.01	13 58 50.5	. .
	March 1, Br.												
7	Sun I, N.	11	49 48.78	+ 0.47	-21.13	45 56 8.52	46.615	+ 1.5	48.5	22 49 28.12	+ 65.46	7 6 28.2	. .
8	Sun II, S.	11	51 59.69	+ 0.47	-21.13	46 28 7.28	47.530	+ 1.7	48.5	22 51 39.03	- 65.45	7 38 49.5	. .
9	Venus C. C.	11	5 44.13	+ 0.46	-21.13	46 14 7.02	46.130	+ 2.1	48.5	23 5 23.46	0.00	7 24 19.9	. .
10	α Andromedæ	11	3 27.55	+ 0.43	-21.11	10 20 5.30	42.364	+ 10.8	48.1	0 3 . .	. .		. .
11	γ Pegasi	11	8 19.91	+ 0.44	-21.15	24 14 6.28	43.672	+ 26.7	49.1	0 7 . .	. .		. .
12	β Andromedæ	11	4 22.05	+ 0.42	-21.13	3 46 4.62	45.214	+ 4.0	48.8	1 4 . .	. .		. .
13	α Ursæ Minoris . . .	9	21 21.73	- 0.85	[-22.46]	310 6 3.92	45.252	- 1.9	[48.9]	1 20 . .	. .		. .
14	β Arietis	11	49 21.60	+ 0.44	-21.20	18 32 5.90	45.120	+ 19.8	48.2	1 49 . .	. .		. .
15	α Arietis	11	1 46.68	+ 0.43	-21.11	15 52 5.32	44.480	+ 16.8	47.8	2 1 . .	. .		. .
16	β Tauri	11	20 13.45	+ 0.24	-20.99	10 20 5.18	43.425	+ 10.9	48.5	5 19 . .	. .		. .
17	δ Orionis	11	27 10.25	+ 0.26	-21.02	39 12 7.88	47.398	+ 48.4	49.1	5 26 . .	. .		. .
18	ε Orionis	11	31 24.79	+ 0.27	-21.03	40 6 6.52	45.975	+ 50.0	48.9	5 31 . .	. .		. .
19	Moon I, N.	11	51 18.28	+ 0.26	-21.03	12 57 58.68	43.217	+ 13.7	48.6	5 50 57.51	+ 68.36	25 53 32.7	. .
20	δ Ursæ Minoris S. P.	5	5 13.89	+ 1.24	[-20.90]	305 30 4.20	41.607	- 1.2	[48.8]	18 4 . .	. .		. .
21	μ Geminorum	11	17 10.56	+ 0.25	-21.05	16 16 5.68	47.446	+ 17.4	48.3	6 16 . .	. .		. .
22	γ Geminorum	11	32 12.29	+ 0.26	-21.03	22 22 6.25	43.399	+ 24.5	48.8	6 31 . .	. .		. .
23	δ Geminorum	11	14 25.32	+ 0.25	-20.98	16 40 6.42	46.798	+ 18.0	48.6	7 14 . .	. .		. .
24	α Geminorum	11	28 29.31	+ 0.24	-21.04	6 44 6.00	45.620	+ 7.1	48.6	7 28 . .	. .		. .
25	o Virginis	11	0 24.43	+ 0.26	-21.11	29 32 6.88	47.591	+ 34.3	48.3	12 0 . .	. .		. .
26	Jupiter I, N.	6	33 5.35	+ 0.27	-21.06	40 40 6.35	45.438	+ 52.0	48.6	12 32 44.56	+ 1.42	1 49 55.8	. .
27	Jupiter II, S.	5	33 8.18	+ 0.27	-21.06	40 40 6.35	47.638	+ 52.0	48.6	12 32 47.39	- 1.41	1 50 38.0	. .
28	α Canum Venat. . . .	11	51 39.30	+ 0.23	-21.10	359 58 5.00	48.990	+ 0.1	47.4	12 51 . .	. .		. .
29	α Ursæ Minoris S. P.	4	21 17.60	+ 2.90	[-22.37]	307 38 4.40	47.082	- 1.7	[49.9]	1 20 . .	. .		. .
30	η Bootis	11	50 12.90	+ 0.25	-21.05	19 56 6.40	46.749	+ 22.0	49.7	13 49 . .	. .		. .
31	α Bootis	11	11 23.57	+ 0.25	-21.01	19 8 6.48	45.955	+ 21.0	48.8	14 11 . .	. .		. .
	March 2, S.												
32	μ Geminorum	11	17 10.55	+ 0.35	-21.15	16 16 5.30	47.474	+ 17.5	48.6	6 16 . .	. .		. .
33	γ Geminorum	11	32 12.36	+ 0.36	-21.21	22 22 5.65	43.430	+ 24.7	49.0	6 31 . .	. .		. .
34	Moon I, N.	11	45 26.22	+ 0.36	-21.20	14 26 1.78	42.112	+ 15.5	48.9	6 45 5.38	+ 67.81	24 25 49.2	. .
35	51 H. Cephei	7	53 38.26	- 0.82	[-23.05]	311 40 3.68	43.286	- 1.7	[50.1]	6 53 . .	. .		. .
36	δ Geminorum	11	14 25.39	+ 0.35	-21.16	16 40 8.70	46.684	+ 18.0	48.8	7 14 . .	. .		. .
37	α Geminorum	11	28 29.46	+ 0.34	-21.30	6 44 5.25	45.658	+ 7.1	48.7	7 28 . .	. .		. .
38	o Virginis	11	0 24.45	+ 0.37	-21.22	29 32 6.35	47.626	+ 34.1	48.2	12 0 . .	. .		. .
39	η Virginis	11	15 4.80	+ 0.38	-21.24	38 56 6.12	46.809	+ 48.6	49.4	12 14 . .	. .		. .
40	Jupiter I, S.	5	32 42.56	+ 0.38	-21.24	40 38 5.50	45.725	+ 51.7	48.9	12 32 21.70	+ 1.46	1 47 59.9	. .
41	Jupiter II, N. . . .	6	32 45.47	+ 0.38	-21.24	40 38 5.50	43.565	+ 51.6	48.9	12 32 24.61	- 1.45	1 47 18.3	. .
42	θ Virginis	11	5 3.51	+ 0.38	-21.25	43 50 5.75	45.292	+ 57.9	49.4	13 4 . .	. .		. .
43	α Virginis	11	20 12.52	+ 0.39	-21.26	49 28 5.45	44.840	+ 10.5	49.1	13 19 . .	. .		. .
44	α Ursæ Minoris S. P.	7	21 13.66	+ 3.06	[-19.21]	307 38 3.20	47.040	- 1.7	[48.3]	1 20 . .	. .		. .
	March 2, L.												
45	γ Aquilæ	11	41 46.15	+ 0.30	-21.31	28 28 5.52	47.560	+ 32.7	48.0	19 41 . .	. .		. .
46	α Aquilæ	11	46 9.92	+ 0.30	-21.29	30 14 5.10	47.252	+ 35.2	48.1	19 45 . .	. .		. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°	°				/ //	/ //	//	/ //
28 19 19	29.698	30.2	28.1		1, 2, 27, 40.	Bisections at II, VI.	6	+ 5.2	. . .	- 0.1	+ 5.1
20 15	29.708	32.9	30.1		7, 43.	Bisections at I, II.	7	+ 6.4	-16 10.6	. .	-16 4.2
21 12			32.0		8, 28.	Bisections at VI, VII.	8	+ 6.5	+16 10.6	. .	+16 17.1
21 56	29.720	35.5	33.7		13.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	9	+ 3.7	. . .	0.0	+ 3.7
22 52	29.720	36.8	36.0		19.	Bisections at III, IV, V.	19	+12 2.8	-14 49.3	. .	- 2 46.5
23 15	29.712	37.0	36.5		20.	Bisections at C ₅ , C ₃ , C ₁ .	26	+ 1.2	+ 21.1	. .	+ 19.9
0 14	29.692	40.2	38.0		26, 41.	Bisections at I, VII.	27	+ 1.2	+ 21.1	. .	+ 22.3
1 10			39.8		29.	Bisections at C ₁ , B ₃ , B ₁ .	34	+13 26.9	-14 53.0	. .	- 1 26.1
2 4	29.694	41.0	40.1		34.	Bisections at II, III, IV, V, VI.	40	+ 1.3	+ 20.8	. .	+ 22.1
5 12	29.732	38.5	38.0		35.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .	41	+ 1.3	- 20.8	. .	- 19.5
6 24	29.738	36.5	36.8		44.	Bisections at C ₂ , B ₁ .					
7 33	29.770	34.5	33.8								
12 3	29.796	30.8	29.8								
13 15	29.796	31.8	30.2								
14 14	29.790	31.8	30.1								
2 6 23	29.719	34.1	33.1								
7 37	29.733	33.3	32.2								
12 4	29.782	32.4	32.4								
13 34	29.806	31.4	31.1								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	β Aquilæ	11	50 39.68	+ 0.31	-21.27	32 42 5.25	43.311	+ 38.7	48.0	19 50 . . .	. . .	. . .	. . .
2	ζ Cygni	11	8 56.57	+ 0.28	-21.34	9 2 4.65	46.666	+ 9.6	47.3	21 8 . . .	. . .	. . .	. . .
3	Mercury C. C. March 3, L.	11	19 44.30	+ 0.32	-21.32	51 36 5.08	44.751	+ 15.5	47.8	22 19 23.30	- 0.01	- 12 46 5.6	. . .
4	Sun I, N.	11	57 17.12	+ 0.32	-21.33	45 10 4.78	47.415	+ 1 0.1	47.8	22 56 56.11	+65.27	- 6 20 39.1	. . .
5	Sun II, S.	11	59 27.66	+ 0.32	-21.33	45 42 5.02	48.065	+ 1 1.2	47.8	22 59 6.65	-65.27	- 6 52 56.7	. . .
6	Venus I, C.	6	15 0.00	+ 0.32	-21.33	45 16 5.58	44.455	+ 1 0.2	47.8	23 14 38.99	+ 0.38	- 6 25 45.1	. . .
7	Venus II.	5	15 0.76	+ 0.32	-21.33	. . .	. . .	. . .	. . .	23 14 39.75	- 0.38	. . .	. . .
8	γ Pegasi	11	8 20.23	+ 0.30	-21.33	24 14 5.12	43.637	+ 26.8	47.8	0 7 . . .	. . .	. . .	. . .
9	α Ursæ Minoris	5	21 19.96	- 3.58	[-19.20]	310 6 2.58	45.364	- 1 10.0	[49.0]	1 20 . . .	. . .	. . .	. . .
10	β Arietis	11	49 21.90	+ 0.29	-21.37	18 32 4.00	45.196	+ 19.9	47.6	1 49 . . .	. . .	. . .	. . .
11	α Geminorum	11	28 29.64	+ 0.33	-21.48	6 44 5.00	45.674	+ 7.1	48.7	7 28 . . .	. . .	. . .	. . .
12	α Canis Minoris	11	34 21.33	+ 0.36	-21.43	33 22 6.05	42.958	+ 39.5	47.8	7 34 . . .	. . .	. . .	. . .
13	Moon I, N.	11	38 32.01	+ 0.35	-21.44	17 4 5.62	40.885	+ 18.5	48.0	7 38 10.92	+66.91	+ 21 44 49.9	. . .
14	ϕ Geminorum	11	47 39.34	+ 0.33	-21.42	11 48 5.10	48.478	+ 12.6	48.2	7 47 . . .	. . .	. . .	. . .
15	η Cancri March 4, K.	11	27 12.68	+ 0.34	-21.45	18 4 5.58	43.678	+ 19.6	47.3	8 26 . . .	. . .	. . .	. . .
16	η Cancri	11	27 12.43	+ 0.37	-21.24	18 4 5.70	43.730	+ 19.5	48.4	8 26 . . .	. . .	. . .	. . .
17	Moon I, N.	11	30 15.27	+ 0.39	-21.29	20 54 7.38	41.457	+ 22.8	49.2	8 29 54.37	+65.89	+ 17 57 49.2	. . .
18	ϵ Hydræ	11	41 46.15	+ 0.39	-21.34	32 2 6.20	48.244	+ 37.4	48.9	8 41 . . .	. . .	. . .	. . .
19	κ Cancri	11	2 37.14	+ 0.38	-21.31	27 46 3.55	45.161	+ 31.5	49.1	9 2 . . .	. . .	. . .	. . .
20	α Hydræ	11	22 58.01	+ 0.40	-21.26	47 4 5.82	42.695	+ 4.2	50.6	9 22 . . .	. . .	. . .	. . .
21	γ Corvi	11	10 57.16	+ 0.41	-21.30	55 48 5.62	46.366	+ 28.0	49.7	12 10 . . .	. . .	. . .	. . .
22	Jupiter I, N.	6	31 55.90	+ 0.40	-21.31	40 32 4.60	35.405	+ 51.3	49.2	12 31 34.99	+ 1.42	- 1 41 55.5	. . .
23	Jupiter II, S.	5	31 58.74	+ 0.40	-21.31	40 32 4.60	37.655	+ 51.3	49.2	12 31 37.83	- 1.42	- 1 42 38.7	. . .
24	α Canum Venat.	11	51 39.43	+ 0.35	-21.29	359 58 3.98	49.038	+ 0.1	47.7	12 51 . . .	. . .	. . .	. . .
25	η Virginis	11	5 3.64	+ 0.40	-21.36	43 50 3.20	45.425	+ 57.6	48.9	13 4 . . .	. . .	. . .	. . .
26	α Virginis	11	20 12.57	+ 0.41	-21.29	49 28 4.48	44.904	+ 10.1	49.9	13 19 . . .	. . .	. . .	. . .
27	α Ursæ Minoris S. P. March 4, Po.	4	21 13.75	+ 2.54	[-20.10]	307 38 5.95	46.891	- 1 17.4	[49.7]	1 20 . . .	. . .	. . .	. . .
28	δ Aquilæ	11	20 43.09	+ 0.32	-21.32	35 56 5.02	44.576	+ 43.8	50.3	19 20 . . .	. . .	. . .	. . .
29	γ Aquilæ	11	41 46.15	+ 0.32	-21.28	28 28 6.08	47.580	+ 32.7	48.8	19 41 . . .	. . .	. . .	. . .
30	α Aquilæ	11	46 9.95	+ 0.32	-21.29	30 14 6.48	47.276	+ 35.2	49.9	19 45 . . .	. . .	. . .	. . .
31	ϵ Pegasi	11	39 31.75	+ 0.32	-21.26	29 26 5.00	45.554	+ 33.9	50.6	21 39 . . .	. . .	. . .	. . .
32	Mercury C. C. March 5, Po.	11	33 3.86	+ 0.33	-21.29	50 18 3.42	44.920	+ 11.9	49.8	22 32 42.90	- 0.01	- 11 28 1.6	. . .
33	Sun N.	. . .	. . .	. . .	. . .	44 24 4.50	46.718	+ 58.4	49.8	. . .	. . .	- 5 34 21.8	. . .
34	Sun II, S.	11	6 53.14	+ 0.33	-21.29	44 56 4.68	47.445	+ 59.5	49.8	23 6 32.18	-65.10	- 6 6 40.8	. . .
35	Venus I, C.	6	24 13.32	+ 0.33	-21.29	44 16 3.15	46.929	+ 58.1	49.8	23 23 52.36	+ 0.37	- 5 26 26.1	. . .
36	Venus II.	5	24 14.06	+ 0.33	-21.29	. . .	. . .	. . .	. . .	23 23 53.10	- 0.37	. . .	. . .
37	β Ceti	9	38 49.64	+ 0.34	-21.38	57 22 3.92	46.198	+ 32.5	50.4	0 38 . . .	. . .	. . .	. . .
38	β Andromedæ	11	4 22.32	+ 0.30	-21.31	3 46 3.52	45.341	+ 4.0	49.4	1 4 . . .	. . .	. . .	. . .
39	α Ursæ Minoris	9	21 17.58	- 1.12	[-20.63]	310 6 2.55	45.390	- 1 10.0	[49.0]	1 20 . . .	. . .	. . .	. . .
40	β Arietis	11	49 21.78	+ 0.31	-21.29	18 32 4.22	45.255	+ 19.9	48.9	1 49 . . .	. . .	. . .	. . .
41	α Arietis	11	1 46.86	+ 0.31	-21.22	15 52 3.25	44.681	+ 16.9	49.3	2 1 . . .	. . .	. . .	. . .
42	γ Ceti	11	38 22.62	+ 0.32	-21.23	36 2 5.12	44.979	+ 43.1	50.3	2 38 . . .	. . .	. . .	. . .
43	ϵ Hydræ	11	41 45.99	+ 0.26	-21.06	32 2 5.75	48.285	+ 37.6	49.4	8 41 . . .	. . .	. . .	. . .
44	κ Cancri	10	2 36.98	+ 0.27	-21.04	27 46 6.15	45.041	+ 31.7	49.6	9 2 . . .	. . .	. . .	. . .
45	Moon I, N.	11	20 39.83	+ 0.28	-21.06	25 35 35.70	46.280	+ 28.9	49.4	9 20 19.05	+65.06	+ 13 14 42.6	. . .
46	ϵ Leonis	11	40 27.61	+ 0.27	-21.00	14 36 6.35	46.139	+ 15.8	49.5	9 40 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
2 19 52	29.946	34.9	33.3	4, 33.	Bisections at I, II.	3	+ 5.1	. . .	- 0.1	+ 5.0
21 11	29.950	37.7	35.8	5, 24, 34.	Bisections at VI, VII.	4	+ 6.3	-16 8.8	. . .	-16 2.5
22 21	. . .	. . .	37.2	8.	Bisections at II, VI, VII.	5	+ 6.4	+16 8.7	. . .	+16 15.1
3 22 59	29.972	39.0	38.7	9.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	6	+ 3.7	. . .	0.0	+ 3.7
0 9	29.950	41.0	40.1	13, 17.	Bisections at II, III, IV, V, VI.	13	+16 0.9	-14 59.3	. . .	+ 1 1.6
1 21	29.950	42.5	41.9	13, 22, 23.	Z. D. thread A used.	17	+19 37.3	-15 7.7	. . .	+ 4 29.6
5 1 51	29.970	42.7	41.8	22.	Bisections at I, VII.	22	+ 1.3	- 21.6	. . .	- 20.3
7 25	29.982	37.0	37.0	23.	Bisections at II, VI.	23	+ 1.3	+ 21.6	. . .	+ 22.9
8 24	29.972	36.5	35.2	27.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ .	32	+ 5.0	. . .	- 0.1	+ 4.9
9 0	29.758	35.5	35.7	39.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	33	+ 6.2	-16 9.5	. . .	-16 3.3
9 25	29.770	35.0	35.0	45.	Bisections at III, IV, V.	34	+ 6.3	+16 9.4	. . .	+16 15.7
12 13	29.816	33.8	34.8			35	+ 3.6	. . .	0.0	+ 3.6
12 54	29.830	33.6	33.9			45	+24 4.2	-15 17.5	. . .	+ 8 46.7
13 23	29.836	34.0	34.2							
19 26	30.022	35.5	34.3							
19 56	30.028	36.7	35.2							
21 12	30.044	38.5	37.0							
5 23 6	30.044	41.0	40.1							
0 45	30.036	44.0	43.1							
1 30	30.040	44.8	43.2							
2 45	30.050	44.8	43.8							
8 30	30.110	38.3	38.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
1	α Leonis	11	m s 3 20.22	+ 0.27	-21.13	26 22 10.42	47.510	+ 30.0	49.7	10 2 . .			
2	$\circ$ Virginis	11	0 24.60	+ 0.27	-21.23	29 32 6.32	47.620	+ 34.4	48.2	12 0 . .			
3	η Virginis	11	15 4.87	+ 0.26	-21.15	38 56 5.78	46.780	+ 49.1	48.8	12 14 . .			
4	Jupiter I, N.	6	31 31.73	+ 0.26	-21.19	40 30 6.18	43.255	+ 51.9	49.4	12 31 10.80	+ 1.42	- 1 39 12.9	
5	Jupiter II, S.	5	31 34.58	+ 0.26	-21.19	40 30 6.18	45.462	+ 51.9	49.4	12 31 13.65	- 1.43	- 1 39 55.2	
6	θ Virginis	11	5 3.58	+ 0.26	-21.14	43 50 6.92	45.232	+ 58.4	49.6	13 4 . .			
7	α Virginis	11	20 12.72	+ 0.26	-21.27	49 28 6.25	44.789	+ 11.1	50.4	13 19 . .			
8	α Ursæ Minoris S. P. March 6, S.	7	21 11.61	- 0.48	[-15.64]	307 38 4.58	46.997	- 18.4	[48.9]	1 20 . .			
9	κ Cancri	11	2 36.92	+ 0.32	-21.04	27 46 5.95	45.021	+ 31.7	48.9	9 2 . .			
10	α Leonis	11	3 20.09	+ 0.32	-21.05	26 22 5.72	47.754	+ 29.9	49.6	10 2 . .			
11	Moon I, N.	11	10 10.50	+ 0.34	-21.04	31 2 3.55	47.729	+ 36.3	49.0	10 9 49.80	+ 64.61	+ 7 47 39.1	
12	ρ Leonis	11	27 50.05	+ 0.33	-21.00	29 0 5.25	47.785	+ 33.4	48.4	10 27 . .			
13	ι Leonis	11	44 17.45	+ 0.32	-21.05	27 46 6.02	44.124	+ 31.8	48.9	10 43 . .			
	March 7, K.												
14	Sun I, S.	11	12 6.93	+ 0.30	-20.83	44 10 4.05	45.872	+ 57.0	50.5	23 11 46.40	+ 65.01	- 5 20 3.0	
15	Sun II, N.	11	14 16.95	+ 0.30	-20.83	43 38 7.90	44.792	+ 56.0	50.5	23 13 56.42	- 65.01	- 4 47 48.9	
16	α Andromedæ	11	3 27.41	+ 0.25	-20.79	10 20 3.15	42.651	+ 10.7	50.6	0 3 . .			
17	α Ursæ Minoris	2	21 14.10	- 3.54	[-16.06]	310 6 0.98	45.425	- 9.0	[51.1]	1 20 . .			
18	β Arietis	11	49 21.37	+ 0.27	-20.85	18 32 7.78	45.135	+ 19.7	50.2	1 49 . .			
19	α Arietis	11	1 46.43	+ 0.26	-20.76	15 52 6.65	44.591	+ 16.7	50.6	2 1 . .			
20	ι Leonis	11	44 17.21	+ 0.21	-20.70	27 46 2.10	44.371	+ 31.8	49.7	10 43 . .			
21	Moon I, S.	11	59 29.58	+ 0.20	-20.66	37 29 59.95	39.161	+ 46.3	49.8	10 59 9.12	+ 64.75	+ 1 19 2.7	
22	δ Leonis	11	9 4.58	+ 0.21	-20.62	17 46 3.95	45.342	+ 19.4	48.6	11 8 . .			
23	δ Crateris	11	14 37.61	+ 0.20	-20.63	53 4 3.68	43.999	+ 20.1	50.1	11 14 . .			
24	τ Leonis	11	23 4.82	+ 0.20	-20.67	35 26 4.55	43.838	+ 42.9	50.6	11 22 . .			
25	γ Corvi	11	10 56.75	+ 0.20	-20.64	55 48 3.82	46.468	+ 28.9	50.3	12 10 . .			
26	η Virginis	11	15 4.41	+ 0.20	-20.60	38 56 5.25	46.948	+ 48.9	51.1	12 14 . .			
27	Jupiter I, S.	5	30 41.90	+ 0.20	-20.59	40 24 2.82	36.740	+ 51.5	49.8	12 30 21.51	+ 1.53	+ 1 34 19.0	
28	Jupiter II, N.	6	30 44.95	+ 0.20	-20.59	40 24 2.82	34.528	+ 51.5	49.8	12 30 24.56	- 1.52	- 1 33 36.5	
29	α Canum Venat.	11	51 38.87	+ 0.21	-20.54	359 58 5.10	49.039	+ 0.1	47.9	12 51 . .			
30	θ Virginis	11	5 3.10	+ 0.20	-20.57	43 50 3.18	45.486	+ 58.1	50.2	13 4 . .			
31	α Ursæ Minoris S. P. March 7, I. a.	5	21 13.92	- 0.10	[-19.62]	307 38 5.40	46.915	- 18.0	[50.0]	1 20 . .			
32	ν Cygni	11	53 42.17	+ 0.13	-20.50	358 4 2.10	47.808	- 1.9	50.8	20 53 . .			
33	ζ Cygni	11	8 55.99	+ 0.15	-20.53	9 2 3.40	46.826	+ 9.5	49.3	21 8 . .			
34	ϵ Pegasi	6	39 31.38	+ 0.16	-20.68	29 26 3.88	45.664	+ 33.5	51.1	21 39 . .			
35	Mercury C. C.	11	53 16.48	+ 0.17	-20.54	48 12 1.65	42.838	+ 5.8	50.8	22 52 56.11	0.00	9 21 12.8	
	March 8, I. a.												
36	Sun I, N.	11	15 48.17	+ 0.16	-20.53	43 14 2.52	47.248	+ 55.2	50.8	23 15 27.80	+ 64.96	- 4 24 25.7	
37	Sun II, S.	11	17 58.09	+ 0.16	-20.53	43 46 2.22	47.802	+ 56.3	50.8	23 17 37.72	- 64.96	- 4 56 41.0	
38	Venus I, C.	5	37 58.28	+ 0.16	-20.53	42 46 6.62	47.086	+ 54.2	50.8	23 37 37.91	+ 0.36	- 3 56 27.7	
39	Venus II	6	37 59.00	+ 0.16	-20.53					23 37 38.63	- 0.36		
40	α Andromedæ	11	3 27.30	+ 0.15	-20.58	10 20 5.78	42.530	+ 10.7	50.7	0 3 . .			
41	β Andromedæ	11	4 21.67	+ 0.14	-20.52	3 46 3.85	45.431	+ 3.9	50.9	1 4 . .			
42	α Ursæ Minoris	9	21 14.60	- 2.81	[-17.89]	310 6 3.68	45.340	- 8.8	[49.6]	1 20 . .			
43	β Arietis	11	49 21.15	+ 0.16	-20.53	18 32 3.22	45.464	+ 19.6	51.3	1 49 . .			
44	α Arietis	11	1 46.12	+ 0.15	-20.35	15 52 2.22	44.858	+ 16.6	51.2	2 1 . .			
45	β Leonis	11	44 14.73	+ 0.19	-20.53	23 42 4.80	46.390	+ 26.3	49.4	11 43 . .			
46	Moon II, S.	11	51 42.15	+ 0.23	-20.52	43 42 4.70	44.429	+ 57.1	49.7	11 51 21.86	- 65.57	- 4 51 38.8	

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				''	''	''	''
5 10 10	30.126	36.5	35.3	4, 27.	Bisections at I, VII.	4	+ 1.3	- 21.2	.	- 19.9
11 50	30.140	33.8	33.5	5, 28.	Bisections at II, VI.	5	+ 1.3	+ 21.1	.	+ 22.4
12 40	30.140	33.0	33.0	8.	Bisections at C ₁ , B ₃ , B ₁ .	11	+ 29 5.2	- 15 28.0	.	+ 13 37.2
6 12 40	30.140	33.2	32.2		Bisections at II, III, IV, V, VI.	14	+ 6.2	+ 16 7.0	.	+ 16 13.2
9 6	30.165	39.2	38.1	11, 21, 46.	Bisections at I, II.	15	+ 6.1	- 16 7.0	.	- 16 0.9
9 50	30.162	39.0	37.5	14, 36.	Bisections at VI, VII.	21	+ 34 45.7	+ 15 38.4	.	+ 50 24.1
10 53	30.158	38.6	37.1	15, 37.	Bisections at B ₁ , B ₃ .	27	+ 1.3	+ 21.3	.	+ 22.6
23 14	30.180	50.0	50.1	17.	Bisections at II, VI, VII.	28	+ 1.3	- 21.2	.	- 19.9
0 2	30.164	51.3	51.5	18.	Z. D. thread A used.	35	+ 4.8	.	0.0	+ 4.8
1 16	30.148	52.8	51.7	21, 27, 28.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ , C ₄ .	36	+ 6.1	- 16 7.7	.	- 16 1.6
1 58	30.140	51.8	51.1	31.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	37	+ 6.1	+ 16 7.6	.	+ 16 13.7
10 46	30.134	38.0	37.1	42.		38	+ 3.5	.	0.0	+ 3.5
11 21	30.124	37.0	36.2			46	+ 39 51.0	+ 15 47.9	.	+ 55 38.9
12 17	30.120	36.2	34.9							
13 8	30.120	36.0	34.8							
20 56	30.150	45.0	42.8							
21 32	30.156	46.8	44.7							
22 58	30.152	50.0	48.8							
8 23 18	30.144	50.0	49.3							
23 42	30.128	50.8	50.5							
1 30	30.094	52.2	52.7							
2 5	30.090	53.0	53.2							
11 43	30.050	40.4	39.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	o Virginis	11	0 24.01	+ 0.20	-20.54	29 32 5.72	47.705	+ 33.9	48.8	12 0 . .	. .		. .
2	η Virginis	11	15 4.31	+ 0.22	-20.51	38 56 4.65	46.915	+ 48.3	49.1	12 14 . .	. .		. .
3	Jupiter I, S.	6	30 16.75	+ 0.22	-20.52	40 22 5.55	44.158	+ 50.9	49.7	12 29 56.45	+ 1.35	- 1 31 28.3	. .
4	Jupiter II, N.	5	30 19.44	+ 0.22	-20.52	40 22 5.55	41.935	+ 50.8	49.7	12 29 59.14	- 1.34	- 1 30 45.6	. .
5	θ Virginis	11	5 3.05	+ 0.23	-20.53	43 50 5.90	45.376	+ 57.6	50.3	13 4 . .	. .		. .
6	α Ursæ Minoris S. P.	7	21 9.49	+ 7.58	[-23.44]	307 38 4.88	46.842	- 1 17.3	[50.3]	1 20 . .	. .		. .
7	ζ Virginis	11	29 52.56	+ 0.22	-20.48	38 54 6.45	48.391	+ 48.5	51.0	13 29 . .	. .		. .
March 9, S.													
8	Sun I, S.	11	19 29.25	+ 0.09	-20.11	43 22 2.50	49.855	+ 55.9	50.2	23 19 9.23	+ 64.81	- 4 33 17.0	. .
9	Sun II, N.	11	21 38.87	+ 0.09	-20.11	42 49 59.68	49.102	+ 54.9	50.2	23 21 18.85	- 64.81	- 4 1 2.6	. .
10	Venus I, C.	6	42 32.28	+ 0.09	-20.12	42 16 2.95	46.571	+ 53.5	50.2	23 42 12.25	+ 0.31	- 3 26 14.0	. .
11	Venus II.	5	42 32.90	+ 0.09	-20.12					23 42 12.87	- 0.31		. .
12	α Andromedæ	11	3 26.93	+ 0.08	-20.14	10 20 4.12	42.578	+ 10.7	49.9	0 3 . .	. .		. .
13	α Ursæ Minoris	11	21 13.99	+ 3.28	[-17.34]	310 6 0.12	45.519	- 1 8.5	[49.5]	1 20 . .	. .		. .
14	ρ Arietis	11	49 20.83	+ 0.08	-20.14	18 32 2.58	45.449	+ 19.5	50.2	1 49 . .	. .		. .
15	α Arietis	11	1 45.95	+ 0.08	-20.12	15 51 58.78	44.937	+ 16.5	49.6	2 1 . .	. .		. .
16	γ Ceti	7	38 21.78	+ 0.09	-20.21	36 2 3.50	45.095	+ 42.1	51.3	2 38 . .	. .		. .
17	o Virginis	11	0 23.80	+ 0.20	-20.32	29 32 4.80	47.768	+ 33.6	49.3	12 0 . .	. .		. .
18	η Virginis	11	15 4.17	+ 0.20	-20.34	38 56 4.38	47.014	+ 47.9	50.4	12 14 . .	. .		. .
19	Jupiter I, S.	6	29 50.97	+ 0.20	-20.36	40 18 4.42	47.805	+ 50.2	49.9	12 29 30.81	+ 1.43	- 1 28 36.2	. .
20	Jupiter II, N.	5	29 53.82	+ 0.20	-20.36	40 18 4.42	45.602	+ 50.2	49.9	12 29 33.66	- 1.42	- 1 27 53.9	. .
21	Moon II, S.	11	43 29.54	+ 0.20	-20.36	49 46 4.10	47.754	+ 1 10.0	49.9	12 43 9.38	- 67.08	- 10 56 54.7	. .
22	θ Virginis	11	5 2.91	+ 0.20	-20.34	43 50 3.95	45.514	+ 56.9	50.1	13 4 . .	. .		. .
23	α Virginis	11	20 11.97	+ 0.20	-20.40	49 28 3.65	45.011	+ 1 9.3	49.7	13 19 . .	. .		. .
24	α Ursæ Minoris S. P.	6	21 10.87	+ 1.34	[-19.07]	307 38 1.55	46.940	- 1 16.4	[49.1]	1 20 . .	. .		. .
March 10, L.													
25	η Virginis	11	15 4.14	+ 0.11	-20.21	38 56 5.90	47.054	+ 47.3	52.0	12 14 . .	. .		. .
26	Jupiter I, S.	6	29 25.17	+ 0.12	-20.06	40 16 5.60	45.025	+ 49.6	50.6	12 29 5.23	+ 1.43	- 1 25 42.7	. .
27	Jupiter II, N.	5	29 28.04	+ 0.12	-20.06	40 16 5.60	42.970	+ 49.6	50.6	12 29 8.10	- 1.44	- 1 25 3.4	. .
28	α Virginis	11	20 11.66	+ 0.12	-19.99	49 27 47.45	45.875	+ 1 8.5	50.5	13 19 . .	. .		. .
29	α Ursæ Minoris S. P.	4	21 7.82	- 0.61	[-14.49]	307 38 . .				1 20 . .	. .		. .
30	Moon II, S.	11	38 0.64	+ 0.12	-20.05	55 22 4.32	44.258	+ 1 25.0	50.6	13 37 40.71	- 69.18	- 16 35 17.3	. .
31	η Bootis	11	50 12.20	+ 0.10	-20.00	19 56 3.78	46.944	+ 21.3	50.2	13 49 . .	. .		. .
32	α Bootis	11	11 22.93	+ 0.10	-20.00	19 8 4.98	46.096	+ 20.4	49.5	14 11 . .	. .		. .
March 12, B.													
33	β Leonis	11	44 13.54	+ 0.10	-19.22	23 41 52.18	47.442	+ 24.9	55.6	11 43 . .	. .		. .
34	o Virginis	11	0 22.78	+ 0.11	-19.18	29 32 3.18	48.314	+ 32.2	56.2	12 0 . .	. .		. .
35	γ Corvi	11	10 55.45	+ 0.14	-19.23	55 48 2.80	47.185	+ 1 23.4	56.7	12 10 . .	. .		. .
36	η Virginis	11	15 3.07	+ 0.12	-19.12	38 56 3.50	47.454	+ 45.8	55.6	12 14 . .	. .		. .
37	Jupiter I, S.	6	28 31.62	+ 0.12	-19.16	40 10 3.55	45.845	+ 47.9	55.9	12 28 12.58	+ 1.45	- 1 19 49.4	. .
38	Jupiter II, N.	5	28 34.52	+ 0.12	-19.16	40 10 3.55	43.782	+ 47.9	55.9	12 28 15.48	- 1.45	- 1 19 9.9	. .
39	θ Virginis	11	5 1.75	+ 0.13	-19.06	43 50 3.38	45.984	+ 54.5	56.0	13 4 . .	. .		. .
40	α Virginis	11	20 10.85	+ 0.13	-19.15	49 28 3.90	45.522	+ 1 6.4	56.5	13 19 . .	. .		. .
41	α Ursæ Minoris S. P.	7	21 8.19	+ 6.20	[-22.37]	307 37 55.02	47.482	- 1 13.2	[55.7]	1 20 . .	. .		. .
42	Moon II, S.	11	37 35.35	+ 0.15	-19.11	63 44 4.48	47.597	+ 1 55.1	55.9	15 37 16.39	- 73.72	- 24 55 31.1	. .
43	α Serpentis	11	39 35.73	+ 0.11	-19.12	32 5 56.65	45.873	+ 35.8	55.6	15 39 . .	. .		. .
44	ε Serpentis	11	46 4.87	+ 0.11	-19.02	34 4 7.20	44.249	+ 38.5	55.7	15 45 . .	. .		. .
45	δ Scorpis	11	54 39.35	+ 0.15	-19.14	61 10 6.50	43.479	+ 1 43.2	55.2	15 54 . .	. .		. .
46	β Scorpis	11	59 51.55	+ 0.14	-19.16	58 22 6.70	43.135	+ 1 32.3	55.8	15 59 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
8 12 30	30.045	39.8	39.0	3, 20, 26, 37.	Bisections at I, VII.	3	+ 1.3	+ 21.3	. .	+ 22.6
13 30	30.032	39.0	37.1	4, 19, 27, 38.	Bisections at II, VI.	4	+ 1.3	+ 21.4	. .	+ 20.1
9 23 22	30.040	46.3	44.9	6, 13.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	8	+ 6.1	+ 16 7.2	. .	+ 16 13.3
0 14	30.060	50.1	49.5	8.	Bisections at I, II.	9	+ 6.0	+ 16 7.1	. .	+ 16 1.1
1 26	30.036	54.8	54.0			10	+ 3.5		0.0	+ 3.5
2 44	30.028	55.1	55.7	9, 16, 28.	Bisections at VI, VII.	19	+ 1.3	+ 21.2	. .	+ 22.5
12 3	30.028	44.9	43.7	15, 17, 43.	Bisections at II, VI, VII.	20	+ 1.3	+ 21.1	. .	+ 19.8
13 34	30.025	43.9	42.8	21, 30.	Bisections at II, III, IV, V, VI.	21	+ 44 26.7	+ 15 56.0	. .	+ 60 22.7
10 12 31	30.058	51.1	49.7	24.	Bisections at C ₂ , B ₃ .	26	+ 1.3	+ 19.7	. .	+ 21.0
14 5	30.030	49.7	47.7	30.	Z. D. thread A used.	27	+ 1.3	+ 19.6	. .	+ 18.3
11 46	29.754	61.2	60.3	41.	Bisections at C ₁ , B ₃ , B ₂ , B ₁ .	30	+ 48 15.4	+ 16 2.4	. .	+ 64 17.8
12 20	29.750	61.0	59.9	42.	Bisections at III, IV, V.	37	+ 1.3	+ 19.7	. .	+ 21.0
12 50	29.748	60.6	59.5			38	+ 1.3	+ 19.8	. .	+ 18.5
13 36	29.742	60.2	58.9			42	+ 52 58.6	+ 16 9.4	. .	+ 69 8.0
15 48	29.724	57.8	57.3							
16 6	29.722	58.4	57.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum- ent.	Clock.								
March 13, S.													
1	δ Scorpii	11	m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
2	β^+ Scorpii	11	54 39.19	- 0.02	-18.78	61 10 5.35	43.176	+ 1 46.8	51.7	15 54 . . .	. . .		. . .
3	α Scorpii	11	59 51.33	- 0.01	-18.76	58 22 3.82	42.880	+ 1 35.4	51.1	15 59 . . .	. . .		. . .
4	Moon II, S.	11	23 30.16	- 0.03	-18.73	65 2 5.30	43.339	+ 2 6.2	49.6	16 23 . . .	. . .		. . .
5	b Ophiuchi	11	42 3.37	- 0.03	-18.74	65 40 4.70	47.827	+ 2 10.1	50.8	16 41 44.60	-75.06	- 26 51 55.8	. . .
	March 13, L.	11	20 29.06	- 0.02	-18.69	62 54 4.05	45.678	+ 1 55.3	50.9	17 20 . . .	. . .		. . .
6	ϵ Delphini	11	28 39.72	+ 0.04	-18.77	27 54 5.58	42.936	+ 31.1	50.8	20 28 . . .	. . .		. . .
7	ζ Cygni	11	8 54.47	+ 0.06	-18.80	9 2 4.15	46.890	+ 9.4	50.4	21 8 . . .	. . .		. . .
8	ϵ Pegasi	11	39 29.73	+ 0.04	-18.81	29 26 4.85	45.626	+ 33.1	50.6	21 39 . . .	. . .		. . .
March 14, L.													
9	Sun I, S.	11	37 48.80	+ 0.03	-18.77	41 26 4.42	44.082	+ 51.3	51.0	23 37 30.06	+64.76	- 2 35 22.9	. . .
10	Sun II, N.	11	39 58.32	+ 0.03	-18.77	40 54 4.20	43.135	+ 50.3	51.0	23 39 39.58	-64.76	- 2 3 7.3	. . .
11	α Andromedæ	11	3 25.59	+ 0.05	-18.76	10 20 3.68	42.805	+ 10.6	51.5	0 3 . . .	. . .		. . .
12	Venus I, C.	6	5 17.32	+ 0.03	-18.77	39 44 5.65	45.715	+ 48.2	51.0	0 4 58.58	+ 0.40	- 0 53 54.2	. . .
13	Venus II	5	5 18.12	+ 0.03	-18.77				. . .	0 4 59.38	- 0.40		. . .
14	β Andromedæ	10	4 19.95	+ 0.06	-18.75	3 46 3.72	45.507	+ 3.9	51.8	1 4 . . .	. . .		. . .
15	α Ursæ Minoris	8	21 8.58	+ 0.61	[-17.64]	310 6 1.65	45.679	- 1 8.0	[53.2]	1 20 . . .	. . .		. . .
16	β Arietis	11	49 19.45	+ 0.05	-18.77	18 32 4.28	45.422	+ 19.4	50.9	1 49 . . .	. . .		. . .
17	α Arietis	11	1 44.55	+ 0.05	-18.74	15 52 3.92	44.804	+ 16.4	51.1	2 1 . . .	. . .		. . .
18	b Ophiuchi	11	20 29.20	- 0.04	-18.77	62 54 5.25	45.414	+ 1 56.9	48.5	17 20 . . .	. . .		. . .
19	α Ophiuchi	11	30 32.16	+ 0.06	-18.75	26 12 6.28	47.561	+ 29.6	48.3	17 30 . . .	. . .		. . .
20	Moon II, S.	11	47 38.98	- 0.04	-18.73	65 46 6.98	41.634	+ 2 12.9	48.4	17 47 20.21	-75.10	- 26 59 19.7	. . .
21	γ^2 Sagittarii	11	59 35.95	- 0.06	-18.72	69 14 8.32	44.898	+ 2 37.3	48.5	17 59 . . .	. . .		. . .
22	δ Ursæ Minoris	6	5 16.07	+ 1.58	[-18.71]	312 16 5.18	44.408	- 1 5.7	[49.8]	18 4 . . .	. . .		. . .
23	μ Sagittarii	11	8 0.19	- 0.02	-18.68	59 53 57.62	47.200	+ 1 43.3	48.3	18 7 . . .	. . .		. . .
March 14, Br.													
24	γ Cygni	5	18 52.47	+ 0.10	-18.59	358 56 4.15	43.652	- 1.0	49.4	20 18 . . .	. . .		. . .
25	ζ Cygni	7	8 54.24	+ 0.08	-18.57	9 2 5.08	46.760	+ 9.5	48.8	21 8 . . .	. . .		. . .
26	β Aquarii	7	26 30.66	+ 0.04	-18.69	44 52 . . .			. . .	21 26 . . .	. . .		. . .
27	ϵ Pegasi	11	39 29.55	+ 0.06	-18.63	29 26 5.75	45.549	+ 33.3	50.2	21 39 . . .	. . .		. . .
March 15, Br.													
28	Sun I, S.	11	41 28.10	+ 0.05	-18.71	41 2 5.12	44.882	+ 50.8	50.1	23 41 9.44	+64.64	- 2 11 39.3	. . .
29	Sun II, N.	11	43 37.37	+ 0.05	-18.71	40 30 7.92	43.800	+ 49.8	50.1	23 43 18.71	-64.63	- 1 39 24.2	. . .
30	α Andromedæ	11	3 25.64	+ 0.08	-18.84	10 20 3.10	42.740	+ 10.6	50.9	0 3 . . .	. . .		. . .
31	Venus I, C.	5	9 49.90	+ 0.05	-18.73	39 14 7.45	43.648	+ 47.5	50.1	0 9 31.22	+ 0.32	- 0 23 16.6	. . .
32	Venus II	6	9 50.53	+ 0.05	-18.73				. . .	0 9 31.85	- 0.31		. . .
33	β Andromedæ	11	4 19.81	+ 0.09	-18.64	3 46 4.22	45.486	+ 3.9	51.2	1 4 . . .	. . .		. . .
34	α Ursæ Minoris	8	21 12.15	+ 1.05	[-21.97]	310 6 2.72	45.497	- 1 8.3	[50.2]	1 20 . . .	. . .		. . .
March 17, L.													
35	Sun I, N.	11	48 46.93	+ 0.04	-18.94	39 42 6.40	46.482	+ 46.6	51.8	23 48 28.03	+64.57	- 0 52 5.4	. . .
36	Sun II, S.	11	50 56.08	+ 0.04	-18.94	40 14 5.98	46.748	+ 47.5	51.8	23 50 37.18	-64.58	- 1 24 14.8	. . .
37	α Andromedæ	11	3 25.80	+ 0.04	-18.95	10 20 5.05	42.721	+ 10.3	51.9	0 3 . . .	. . .		. . .
38	β Andromedæ	11	4 20.21	+ 0.04	-19.00	3 46 3.62	45.594	+ 3.7	52.1	1 4 . . .	. . .		. . .
39	α Ursæ Minoris	8	21 12.94	- 0.53	[-20.96]	310 6 2.52	45.561	- 1 5.8	[53.2]	1 20 . . .	. . .		. . .
40	β Arietis	11	49 19.65	+ 0.04	-18.97	18 32 3.45	45.585	+ 18.7	52.2	1 49 . . .	. . .		. . .
41	α Arietis	11	1 44.77	+ 0.04	-18.96	15 52 3.68	44.890	+ 15.8	50.9	2 1 . . .	. . .		. . .
42	α Virginis	11	0 22.87	+ 0.03	-19.15	29 32 6.68	47.796	+ 32.9	50.6	12 0 . . .	. . .		. . .
43	γ Corvi	11	10 55.63	0.00	-19.22	55 48 4.75	46.711	+ 1 23.3	48.6	12 10 . . .	. . .		. . .
44	η Virginis	11	15 3.25	+ 0.02	-19.15	38 56 5.80	47.088	+ 46.9	51.7	12 14 . . .	. . .		. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in	°	°				' "	' "	"	' "
13 16 2	29.914	45.8	43.9	4, 20.	Bisections at II, III, IV, V, VI.	4	+53 53.5	+16 10.5	.	+70 4.0
17 44	29.950	44.5	42.4	9, 11, 24, 28, 35.	Bisections at I, II.	9	+5.9	+16 7.8	.	+16 13.7
20 30	30.006	49.6	46.8	10, 29, 36.	Bisections at VI, VII.	10	+5.8	-16 7.7	.	-16 1.9
21 41	30.004	52.0	48.9	14.	Bisections at II, VI, VII.	12	+3.3	.	0.0	+3.3
23 40	29.986	54.2	52.2	15, 39.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	20	+53 55.2	+16 10.0	.	+70 5.2
0 10	29.984	55.1	53.5	20.	Z. D. thread A used.	28	+5.8	+16 7.6	.	+16 13.4
1 26	29.962	57.8	55.9	22.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	29	+5.8	-16 7.5	.	-16 1.7
2 2	29.962	57.6	55.9	34.	Bisections at C ₁ , C ₃ , C ₅ .	31	+3.3	.	0.0	+3.3
17 22	30.018	40.0	37.3	41.	Bisections at I, II, VI.	35	+5.6	-16 4.7	.	-15 59.1
18 9	.	.	37.0			36	+5.7	+16 4.6	.	+16 10.3
20 21	30.056	46.5	42.4							
21 17	.	.	44.5							
21 44	30.052	49.8	46.1							
23 44	30.030	52.8	50.9							
0 19	30.018	53.6	52.3							
1 31	30.004	55.5	54.6							
17 23 51	29.802	64.0	66.2							
1 25	29.778	68.0	69.9							
2 5	29.776	69.2	71.0							
12 2	29.976	54.2	52.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Jupiter I, N. . . .	6	26 15.95	+ 0.02	-19.18	39 54 6.00	46.248	+ 48.6	50.4	12 25 56.79	+ 1.47	- 1 4 5.8	. .
2	Jupiter II, S. . . .	5	26 18.90	+ 0.02	-19.18	39 54 6.00	48.440	+ 48.6	50.4	12 25 59.74	- 1.48	- 1 4 47.8	. .
3	β Virginis	11	5 2.04	+ 0.02	-19.18	43 50 6.42	45.488	+ 55.9	50.5	13 4 . .	. .	. .	. .
4	α Ursæ Minoris S. P. . .	8	21 5.88	+ 0.13	[-15.77]	307 38 3.58	46.753	- 1 15.1	[52.0]	1 20 . .	. .	. .	. .
	March 19, S.												
5	Sun I, N. . . .	11	56 4.55	- 0.01	-18.87	38 54 4.62	48.365	+ 45.2	52.6	23 55 45.67	+64.41	- 0 4 37.5	. .
6	Sun II, S. . . .	11	58 13.37	- 0.01	-18.87	39 26 1.72	48.570	+ 46.1	52.6	23 57 54.49	-64.41	- 0 36 43.3	. .
7	β Andromedæ	11	4 20.16	- 0.03	-18.88	3 46 2.98	45.654	+ 3.7	52.3	1 4 . .	. .	. .	. .
8	α Ursæ Minoris	7	21 10.30	- 3.27	[-17.44]	310 6 2.75	45.566	- 1 5.5	[53.3]	1 20 . .	. .	. .	. .
9	β Arietis	6	49 19.66	- 0.02	-18.93	18 32 2.62	45.580	+ 18.6	52.4	1 49 . .	. .	. .	. .
10	α Arietis	11	1 44.75	- 0.02	-18.89	15 52 1.92	45.050	+ 15.8	52.7	2 1 . .	. .	. .	. .
11	η Tauri	11	41 45.17	- 0.02	-18.90	15 4 3.10	43.215	+ 14.9	53.0	3 41 . .	. .	. .	. .
12	ο Virginis	11	0 22.80	- 0.04	-19.00	29 32 4.55	48.114	+ 31.5	53.1	12 0 . .	. .	. .	. .
13	η Virginis	11	15 3.21	- 0.05	-19.02	38 56 4.28	47.422	+ 45.0	54.6	12 14 . .	. .	. .	. .
14	Jupiter I, S. . . .	5	25 20.24	- 0.05	-19.04	39 48 4.90	48.438	+ 46.4	54.4	12 25 1.15	+ 1.52	- 0 58 40.5	. .
15	Jupiter II, N. . . .	6	25 23.28	- 0.05	-19.04	39 48 4.90	46.180	+ 46.4	54.4	12 25 4.19	- 1.52	- 0 57 57.2	. .
16	β Virginis	11	5 2.05	- 0.06	-19.08	43 50 4.45	45.958	+ 53.5	54.9	13 4 . .	. .	. .	. .
17	α Virginis	11	20 11.07	- 0.07	-19.06	49 28 3.75	45.562	+ 1 5.2	55.2	13 19 . .	. .	. .	. .
18	α Ursæ Minoris S. P. . .	8	21 3.01	+ 1.48	[-15.12]	307 38 2.20	46.805	- 1 11.9	[53.5]	1 20 . .	. .	. .	. .
	March 24, K.												
19	ε Pegasi	11	39 31.25	+ 0.03	-20.11	29 26 5.82	45.544	+ 33.4	50.1	21 39 . .	. .	. .	. .
20	α Pegasi	3	0 1.12	+ 0.03	-20.04	24 12 . .	. .	. .	. .	22 59 . .	. .	. .	. .
21	α Andromedæ	11	3 26.96	+ 0.04	-20.05	10 20 11.12	42.302	+ 10.7	50.9	0 3 . .	. .	. .	. .
	March 25, K.												
22	Sun I, N. . . .	11	17 55.72	+ 0.02	-20.12	36 32 5.22	48.568	+ 43.6	50.4	0 17 35.62	+64.50	+ 2 17 17.4	. .
23	Sun II, S. . . .	11	20 4.71	+ 0.02	-20.12	37 3 58.80	48.952	+ 44.4	50.4	0 19 44.61	-64.49	+ 1 45 11.8	. .
24	Mercury I, C. . . .	6	53 9.88	+ 0.03	-20.14	33 16 5.00	43.711	+ 38.4	50.4	0 52 49.77	+ 0.26	+ 5 34 54.0	. .
25	Mercury II. . . .	5	53 10.36	+ 0.03	-20.14	. .	. .	. .	. .	0 52 50.25	- 0.22	. .	. .
26	Venus I, C. . . .	6	55 16.85	+ 0.02	-20.15	34 8 5.18	45.821	+ 39.8	50.4	0 54 56.72	+ 0.42	+ 4 42 12.0	. .
27	Venus II. . . .	5	55 17.68	+ 0.02	-20.15	. .	. .	. .	. .	0 54 57.55	- 0.41	. .	. .
28	α Ursæ Minoris	5	21 8.76	- 0.99	[-19.93]	310 6 . .	. .	. .	. .	1 20 . .	. .	. .	. .
29	β Arietis	11	49 20.85	+ 0.03	-20.20	18 32 3.55	45.408	+ 19.6	50.6	1 49 . .	. .	. .	. .
30	α Arietis	11	1 45.94	+ 0.03	-20.17	15 52 3.28	44.829	+ 16.7	50.2	2 1 . .	. .	. .	. .
31	γ Corvi	11	10 56.74	- 0.01	-20.27	55 48 0.25	46.801	+ 1 28.2	49.6	12 10 . .	. .	. .	. .
32	η Virginis	11	15 4.42	+ 0.02	-20.27	38 56 1.40	47.075	+ 48.5	48.4	12 14 . .	. .	. .	. .
33	Jupiter I, N. . . .	6	22 32.15	+ 0.02	-20.27	39 30 3.95	44.260	+ 49.5	48.9	12 22 11.90	+ 1.50	- 0 39 28.0	. .
34	Jupiter II, S. . . .	5	22 35.14	+ 0.02	-20.27	39 30 3.95	46.468	+ 49.6	48.9	12 22 14.89	- 1.49	- 0 40 10.5	. .
35	β Corvi	11	29 24.95	- 0.02	-20.32	61 40 6.32	43.406	+ 1 51.1	48.1	12 29 . .	. .	. .	. .
36	β Virginis	11	5 3.21	+ 0.01	-20.24	43 50 1.75	45.612	+ 57.8	49.5	13 4 . .	. .	. .	. .
37	α Ursæ Minoris S. P. . .	5	21 7.70	+ 0.01	[-19.91]	307 38 0.80	46.855	- 1 17.6	[50.0]	1 20 . .	. .	. .	. .
	March 31, L.												
38	Sun I, S. . . .	11	39 46.21	+ 0.05	-21.47	34 46 4.80	41.832	+ 40.9	49.3	0 39 24.79	+64.52	+ 4 5 28.5	. .
39	Sun II, N. . . .	11	41 55.25	+ 0.05	-21.47	34 14 3.68	41.582	+ 40.1	49.3	0 41 33.83	-64.52	+ 4 37 31.4	. .
40	α Ursæ Minoris	3	21 7.90	- 0.03	[-19.67]	310 6 . .	. .	. .	. .	1 20 . .	. .	. .	. .
41	Mercury C, C. . . .	11	34 37.62	+ 0.06	-21.51	27 50 6.30	44.328	+ 31.1	49.3	1 34 16.17	+ 0.04	+ 11 0 44.5	. .
42	β Arietis	10	49 22.24	+ 0.06	-21.63	18 32 4.42	45.388	+ 19.7	49.8	1 49 . .	. .	. .	. .
43	α Arietis	3	1 47.22	+ 0.06	-21.50	15 52 . .	. .	. .	. .	2 1 . .	. .	. .	. .
44	α Ceti	11	57 18.95	+ 0.05	-21.54	35 10 6.85	41.725	+ 41.3	49.1	2 56 . .	. .	. .	. .
45	ζ Persei	11	48 5.52	+ 0.07	-21.52	7 16 5.18	44.905	+ 7.5	49.1	3 47 . .	. .	. .	. .
46	Moon I, N. . . .	11	7 44.13	+ 0.07	-21.75	19 20 2.78	41.505	+ 20.8	49.5	8 7 22.45	+65.98	+ 19 31 58.1	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
17 13 15	29.996	52.5	50.9	1, 15, 33.	Bisections at I, VII.	1	+	1.3	- 21.0	- 19.7
19 23 58	29.714	63.7	65.8	2, 14, 34.	Bisections at II, VI.	2	+	1.3	+ 21.0	+ 22.3
1 6	29.720	68.8	69.8	4 . .	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	5	+	5.6	-16 2.9	-15 57.3
2 5	29.716	73.4	72.9	5, 22, 38.	Bisections at I, II.	6	+	5.6	+16 2.9	+16 8.5
3 40	29.682	72.3	74.3	6, 9, 21, 23, 29, 39, 41.	Bisections at VI, VII.	14	+	1.3	+ 21.6	+ 22.9
11 50	29.650	67.6	68.9	8.	Bisections at C ₁ , C ₂ , C ₃ , C ₅ .	15	+	1.3	- 21.7	- 20.4
13 36	29.708	66.6	67.7	18.	Bisections at C ₂ , C ₁ , B ₃ , B ₂ , B ₁ .	22	+	5.3	-16 2.8	-15 57.5
24 21 42	30.162	48.8	46.0	37.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ , C ₄ .	23	+	5.3	+16 2.8	+16 8.1
23 2	30.180	49.5	47.1	42.	Bisections at I, II, VII.	24	+	3.8	. .	+ 3.9
0 5	30.190	52.0	50.6	46.	Bisections at V, VI, VII.	26	+	2.9	. .	+ 2.9
25 0 20	30.194	52.7	49.9			33	+	1.3	- 21.3	- 20.0
1 22	30.192	55.2	51.8			34	+	1.3	+ 21.2	+ 22.5
1 51	30.192	55.2	51.8			38	+	5.0	+16 1.5	+16 6.5
2 42	30.290	42.8	41.1			39	+	5.0	-16 1.4	-15 56.4
12 9	30.292	42.2	40.6			41	+	3.6	. .	+ 3.8
13 2	30.300	41.8	39.9			46	+18	3.3	-15 0.6	+ 3 2.7
13 21	30.304	41.0	39.7							
31 0 42	29.827	45.2	42.3							
1 38	29.826	46.0	43.8							
3 0	29.818	47.4	45.1							
3 52	29.810	47.9	46.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	η Cancrī	11	27 12.89	+ 0.07	-21.73	18 4 3.12	43.851	+	19.4	49.3	8 26 . . .		
2	ε Hydræ	11	41 46.61	+ 0.09	-21.80	32 2 3.88	48.439	+	37.3	50.0	8 41 . . .		
3	κ Cancrī	11	2 37.60	+ 0.08	-21.73	27 46 3.30	45.166	+	31.4	49.1	9 2 . . .		
4	α Hydræ	11	22 58.68	+ 0.10	-21.87	47 4 4.58	42.811	+	4.0	49.2	9 22 . . .		
5	ο Virginis	11	0 25.58	+ 0.08	-21.85	29 32 7.45	47.620	+	34.0	49.3	12 0 . . .		
6	η Virginis	11	15 5.92	+ 0.09	-21.81	38 56 7.38	46.854	+	48.5	50.0	12 14 . . .		
7	Jupiter I, S.	6	19 44.17	+ 0.09	-21.92	39 12 7.42	45.600	+	49.0	49.5	12 19 22.34	+ 1.48	- 0 21 56.1
8	Jupiter II, N.	5	19 47.12	+ 0.09	-21.92	39 12 7.42	43.378	+	48.9	49.5	12 19 25.29	- 1.47	- 0 21 13.4
9	β Corvi	11	29 26.62	+ 0.11	-22.08	61 40 6.22	43.526	+	51.0	49.3	12 29 . . .		
10	ο Virginis	11	5 4.90	+ 0.10	-21.96	43 50 6.55	45.378	+	57.7	49.5	13 4 . . .		
11	α Ursæ Minoris S. P. March 31, K.	8	21 7.02	+ 4.93	[-24.83]	307 38 4.90	46.588	-	17.6	[51.8]	1 20 . . .		
12	ζ Pegasi	11	36 44.69	+ 0.11	-21.75	28 32 8.18	46.844	+	32.5	48.8	22 36 . . .		
13	α Pegasi	11	0 2.83	+ 0.12	-21.74	24 12 4.88	42.786	+	26.9	50.0	22 59 . . .		
14	α Andromedæ April 1, K.	11	3 28.63	+ 0.13	-21.75	10 20 5.88	42.642	+	10.9	50.0	0 3 . . .		
15	Sun I, N.	11	43 24.72	+ 0.10	-21.76	33 50 2.25	44.545	+	39.7	49.7	0 43 3.06	+ 64.52	+ 5 0 40.6
16	Sun II, S.	11	45 33.77	+ 0.10	-21.76	34 22 1.82	44.442	+	40.5	49.7	0 45 12.11	- 64.53	+ 4 28 38.5
17	α Ursæ Minoris	8	21 7.39	+ 1.26	[-21.62]	310 6 5.95	45.690	-	9.7	[50.7]	1 20 . . .		
18	Venus I, C.	5	27 20.38	+ 0.11	-21.77	30 40 8.68	43.968	+	35.0	49.7	1 26 58.72	+ 0.47	+ 8 10 48.1
19	Venus II	6	27 21.30	+ 0.11	-21.77						1 26 59.64	- 0.45	
20	Mercury I, C.	11	41 5.05	+ 0.11	-21.77	27 0 6.30	46.251	+	30.1	49.7	1 40 43.39	+ 0.20	+ 11 50 11.5
21	β Arietis	11	49 22.35	+ 0.12	-21.80	18 32 5.15	45.385	+	19.8	50.1	1 49 . . .		
22	α Arietis	11	1 47.49	+ 0.12	-21.83	15 52 4.75	44.752	+	16.8	49.7	2 1 . . .		
23	η Tauri	11	41 47.74	+ 0.12	-21.78	15 4 4.75	42.944	+	15.8	49.4	3 41 . . .		
24	ζ Persei	11	48 5.65	+ 0.13	-21.73	7 16 6.38	44.900	+	7.5	50.1	3 47 . . .		
25	Moon I, N.	11	58 4.76	+ 0.10	-21.91	23 34 0.00	43.675	+	25.6	49.4	8 57 42.95	+ 65.12	+ 15 17 11.5
26	κ Cancrī	11	2 37.81	+ 0.10	-21.97	27 46 1.75	45.135	+	30.9	47.9	9 2 . . .		
27	α Hydræ	11	22 58.70	+ 0.11	-21.91	47 4 1.32	43.078	+	3.1	50.2	9 22 . . .		
28	ε Leonis	11	40 28.42	+ 0.10	-21.84	14 36 3.35	46.160	+	15.4	48.7	9 40 . . .		
29	μ Leonis	11	47 22.63	+ 0.10	-21.94	12 22 5.68	44.299	+	13.0	49.7	9 47 . . .		
30	γ Corvi	11	10 58.33	+ 0.11	-21.94	55 48 2.72	46.781	+	27.2	49.9	12 10 . . .		
31	η Virginis	11	15 5.98	+ 0.11	-21.89	38 56 3.92	47.066	+	48.0	50.1	12 14 . . .		
32	Jupiter I, N.	6	19 16.20	+ 0.10	-21.92	39 8 2.62	46.802	+	48.3	49.4	12 18 54.38	+ 1.52	- 0 18 13.8
33	Jupiter II, S.	5	19 19.24	+ 0.10	-21.92	39 8 2.62	49.025	+	48.4	49.4	12 18 57.42	- 1.52	- 0 18 56.5
34	β Corvi	8	29 26.52	+ 0.11	-21.97	61 40 1.92	43.715	+	49.9	48.8	12 29 . . .		
35	ο Virginis	11	5 4.82	+ 0.11	-21.88	43 50 3.48	45.611	+	57.0	50.2	13 4 . . .		
36	α Ursæ Minoris S. P. April 1, Po.	5	21 7.02	+ 2.57	[-22.66]	307 38 5.22	46.418	-	16.4	[50.4]	1 20 . . .		
37	β Aquarii	11	26 34.20	+ 0.08	-21.87	44 52 5.15	42.914	+	58.4	50.3	21 26 . . .		
38	ε Pegasi	11	39 33.25	+ 0.07	-21.97	29 26 6.22	45.502	+	33.1	49.6	21 39 . . .		
39	α Aquarii April 2, Po.	11	0 55.42	+ 0.08	-21.96	39 40 6.10	42.560	+	48.5	50.1	22 0 . . .		
40	Sun I, N.	10	47 3.32	+ 0.08	-21.94	33 26 5.12	47.625	+	38.0	50.3	0 46 41.46	+ 64.54	+ 5 23 41.0
41	Sun II, S.	11	49 12.40	+ 0.08	-21.94	33 58 6.98	47.310	+	38.8	50.3	0 48 50.54	- 64.54	+ 4 51 40.6
42	α Ursæ Minoris	6	21 14.42	- 3.60	[-23.99]	310 6 3.52	45.763	-	7.9	51.0	1 20 . . .		
43	Venus I, C.	6	31 57.25	+ 0.08	-21.94	30 10 1.20	47.192	+	33.4	50.3	1 31 35.39	+ 0.41	+ 8 39 55.9
44	Venus II	5	31 58.06	+ 0.08	-21.94						1 31 36.20	- 0.40	
45	η Tauri	11	41 47.97	+ 0.06	-21.96	15 4 4.08	43.024	+	15.4	49.9	3 41 . . .		
46	ζ Persei	11	48 5.92	+ 0.06	-21.94	7 16 3.22	45.122	+	7.4	51.0	3 47 . . .		

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
31 8 12	29.890	42.9	40.0	7.32.	Bisections at I, VII.	7	+	1.3	+	22.7
9 20	29.900	40.2	38.4	8.33.	Bisections at II, VI.	8	+	1.3	-	20.0
12 4	29.908	37.3	35.7	11, 17, 36.	Bisections at C ₂ , C ₃ , C ₄ , C ₁ .	15	+	4.9	-16	56.1
13 17	29.920	36.3	34.2	15, 40.	Bisections at I, II.	16	+	5.0	+16	6.0
22 38	29.978	40.8	38.8	16, 26, 34, 41.	Bisections at VI, VII.	18	+	2.7	. . .	2.7
23 2	29.982	41.8	38.4	25.	Bisections at II, III, IV, V, VI.	20	+	3.6	. . .	3.9
0 1	29.964	42.3	40.9	42.	Bisections at C ₂ , C ₃ , C ₄ .	25	+	22 4.8	-15 10.3	54.5
1 0 46	29.948	44.5	42.2			32	+	1.3	-	20.0
1 17	29.938	44.5	43.2			33	+	1.3	+	22.7
1 47	29.920	46.8	44.8			40	+	4.9	-16 0.2	55.3
2 9	29.918	49.0	45.5			41	+	4.9	+16 0.2	5.1
3 45	29.900	49.5	46.8			43	+	2.6	. . .	2.6
9 5	29.900	45.4	45.9						. . .	
9 44	29.900	44.6	45.2						. . .	
12 8	29.888	41.5	41.0						. . .	
12 27	29.888	41.0	39.3						. . .	
13 15	29.872	40.5	40.5						. . .	
21 32	29.828	45.5	44.7						. . .	
22 6	29.832	48.2	46.9						. . .	
0 49	29.756	53.8	53.3						. . .	
1 50	29.732	54.2	53.4						. . .	
3 50	29.678	55.6	54.4						. . .	

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	κ Cancri	11	2 37.72	+ 0.05	-21.84	27 46 6.95	45.042	+ 31.0	50.0	9 2 .	.	.	.
2	ε Leonis	11	40 28.46	+ 0.05	-21.84	14 36 5.95	46.068	+ 15.4	49.7	9 40 .	.	.	.
3	Moon I, N.	11	47 28.47	+ 0.05	-21.85	28 37 59.62	42.148	+ 32.1	50.1	9 47 6.67	+64.62	+ 10 13 35.4	.
4	α Leonis	11	3 21.02	+ 0.06	-21.87	26 22 6.10	47.761	+ 29.2	50.1	10 2 .	.	.	.
5	γ Leonis	11	14 45.70	+ 0.05	-21.80	18 30 6.40	43.440	+ 19.8	49.9	10 14 .	.	.	.
6	ρ Leonis	8	27 51.14	+ 0.05	-21.89	29 0 6.22	47.808	+ 32.8	49.6	10 27 .	.	.	.
7	β Leonis	11	44 16.24	+ 0.05	-21.80	23 42 8.88	46.246	+ 26.1	51.9	11 43 .	.	.	.
8	ο Virginis	11	0 25.59	+ 0.05	-21.82	29 32 6.62	47.684	+ 33.8	49.6	12 0 .	.	.	.
9	η Virginis	11	15 5.94	+ 0.05	-21.79	38 56 6.35	46.888	+ 48.1	49.2	12 14 .	.	.	.
10	Jupiter I, S.	6	18 48.50	+ 0.05	-21.82	39 6 1.40	46.055	+ 48.4	50.1	12 18 26.73	+ 1.47	- 0 15 57.6	.
11	Jupiter II, N.	5	18 51.44	+ 0.05	-21.82	39 6 1.40	43.815	+ 48.4	50.1	12 18 29.67	- 1.47	- 0 15 14.7	.
12	θ Virginis	11	5 4.83	+ 0.05	-21.82	43 50 0.70	45.784	+ 57.3	51.0	13 4 .	.	.	.
13	α Ursæ Minoris S. P.	5	21 7.80	+ 2.36	[-23.41]	307 37 59.52	46.830	- 1 17.0	[52.2]	1 20 .	.	.	.
14	ζ Virginis	11	29 54.50	+ 0.05	-21.88	38 53 59.65	48.698	+ 48.3	50.4	13 29 .	.	.	.
April 3, S.													
15	α Leonis	11	3 21.01	+ 0.13	-21.94	26 22 7.10	47.652	+ 29.8	49.7	10 2 .	.	.	.
16	ρ Leonis	11	27 51.15	+ 0.13	-21.98	29 0 6.22	47.705	+ 33.4	48.4	10 27 .	.	.	.
17	Moon I, N.	11	36 37.26	+ 0.13	-21.95	34 18 3.48	44.348	+ 41.1	48.6	10 36 15.44	+64.68	+ 4 32 38.8	.
18	ι Leonis	11	44 18.51	+ 0.13	-21.96	27 46 6.92	44.025	+ 31.7	48.3	10 43 .	.	.	.
19	τ Leonis	11	23 6.20	+ 0.13	-21.92	35 26 6.95	43.622	+ 42.9	48.2	11 22 .	.	.	.
April 5, La.													
20	β Leonis	11	44 16.25	+ 0.12	-21.88	23 42 .	.	.	.	11 43 .	.	.	.
21	ο Virginis	11	0 25.55	+ 0.11	-21.85	29 32 7.80	47.559	+ 34.4	49.1	12 0 .	.	.	.
22	γ Corvi	11	10 58.33	+ 0.05	-21.87	55 48 7.55	46.412	+ 1 29.0	49.0	12 10 .	.	.	.
23	Moon I, S.	9	17 57.51	+ 0.07	-21.87	47 5 57.15	44.209	+ 1 5.2	49.3	12 17 35.71	+66.89	- 8 15 35.5	.
24	β Corvi	11	29 26.55	+ 0.03	-21.90	61 40 7.28	43.464	+ 1 52.1	49.6	12 29 .	.	.	.
25	θ Virginis	11	5 4.84	+ 0.08	-21.84	43 50 8.32	45.268	+ 58.3	49.6	13 4 .	.	.	.
26	α Ursæ Minoris S. P.	11	21 10.18	- 3.96	[-19.72]	307 38 6.48	46.380	- 1 18.3	[50.3]	1 20 .	.	.	.
April 5, S.													
27	β Aquarii	11	26 34.40	+ 0.27	-22.16	44 52 6.35	42.695	+ 1 0.3	48.7	21 26 .	.	.	.
28	ε Pegasi	11	39 33.33	+ 0.27	-22.15	29 26 6.55	45.414	+ 34.2	49.6	21 39 .	.	.	.
29	α Aquarii	11	0 55.54	+ 0.27	-22.17	39 40 6.55	42.365	+ 50.1	48.8	22 0 .	.	.	.
30	ζ Pegasi	11	36 45.05	+ 0.27	-22.17	28 32 6.75	46.921	+ 32.8	49.3	22 36 .	.	.	.
31	α Pegasi	11	0 3.19	+ 0.27	-22.15	24 12 6.25	42.634	+ 27.1	48.8	22 59 .	.	.	.
April 6, S.													
32	Sun I, N.	11	1 38.66	+ 0.27	-22.17	31 54 6.40	50.098	+ 37.0	49.0	1 1 16.76	+64.58	+ 6 54 52.0	.
33	Sun II, S.	11	3 47.81	+ 0.27	-22.17	32 26 5.90	49.692	+ 37.8	49.0	1 3 25.91	-64.57	+ 6 22 55.7	.
34	α Ursæ Minoris	8	21 11.05	- 0.06	[-24.48]	310 6 3.22	45.901	- 1 10.0	[50.0]	1 20 .	.	.	.
35	Venus I, C.	6	50 29.27	+ 0.27	-22.17	28 16 6.62	45.322	+ 31.8	49.0	1 50 7.37	+ 0.40	+ 10 34 26.6	.
36	Venus II	5	50 30.06	+ 0.27	-22.17	.	.	.	.	1 50 8.16	- 0.39	.	.
37	α Arietis	11	1 47.71	+ 0.26	-22.19	15 52 4.98	44.667	+ 16.8	48.0	2 1 .	.	.	.
38	Mercury C, C.	11	10 6.90	+ 0.27	-22.17	23 26 5.30	46.194	+ 25.6	49.0	2 9 45.00	+ 0.08	+ 15 24 17.4	.
39	γ Tauri	11	14 22.20	+ 0.27	-22.22	23 28 5.78	44.106	+ 25.6	49.4	4 14 .	.	.	.
40	ε Tauri	11	23 2.51	+ 0.26	-22.14	19 54 5.78	43.100	+ 21.3	49.0	4 22 .	.	.	.
41	α Tauri	11	30 26.95	+ 0.27	-22.15	22 32 5.22	46.151	+ 24.5	49.3	4 30 .	.	.	.
42	ο Virginis	11	0 25.84	+ 0.30	-22.33	29 32 6.65	47.551	+ 34.2	47.6	12 0 .	.	.	.
43	γ Corvi	11	10 58.68	+ 0.31	-22.48	55 48 5.50	46.528	+ 1 28.5	48.6	12 10 .	.	.	.
44	Jupiter I, S.	6	16 59.05	+ 0.30	-22.40	38 54 6.18	46.955	+ 48.6	48.5	12 16 36.95	+ 1.43	- 0 4 21.4	.
45	Jupiter II, N.	5	17 1.92	+ 0.30	-22.40	38 54 6.18	44.695	+ 48.6	48.5	12 16 39.82	- 1.44	- 0 3 38.1	.
46	θ Virginis	11	5 5.20	+ 0.31	-22.43	43 50 6.75	45.294	+ 57.9	48.1	13 4 .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-dian.	Corr. for Def. III.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
2 9 6	29.740	43.2	42.8	3, 17, 23.	Bisections at II, III, IV, V, VI.			3	+26 49.4	-15 21.9	.	+11 27.5	.
10 10	29.756	42.9	41.8	10, 45.	Bisections at I, VII.			10	+ 1.3	+ 21.5	.	+ 22.8	.
10 35	29.768	42.0	40.2	11, 44.	Bisections at II, VI.			11	+ 1.3	- 21.4	.	- 20.1	.
11 35	29.772	40.5	37.9	13.	Bisections at C ₅ , C ₃ , C ₁ .			17	+32 1.5	-15 34.8	.	+16 26.7	.
12 35	29.770	38.2	36.1	14, 33.	Bisections at VI, VII.			23	+42 48.4	+16 0.0	.	+58 48.4	.
13 36	29.766	37.2	34.8	26, 34.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .			32	+ 4.7	-15 58.2	.	-15 53.5	.
3 10 6	29.848	35.4	33.5	32.	Bisections at I, II.			33	+ 4.7	+15 58.1	.	+16 2.8	.
11 2	29.856	34.0	32.8	37.	Bisections at I, II, VI.			35	+ 2.5	.	0.0	+ 2.5	.
5 11 54	29.832	31.2	30.0					38	+ 3.6	.	0.6	+ 4.2	.
12 34	29.842	30.4	29.3					44	+ 1.3	+ 21.7	.	+ 23.0	.
13 33	29.854	30.0	28.3					45	+ 1.3	- 21.6	.	- 20.3	.
21 29	29.905	32.8	30.8										
22 44	29.906	35.9	33.5										
23 5	29.908	36.7	34.1										
6 1 4	29.860	40.0	39.3										
1 54	29.839	41.9	41.8										
4 35	29.806	43.8	43.2										
11 53	29.860	35.0	32.9										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.							
				Instru- ment.	Clock.															
		m	s	s	s	°	'	"	rev.	'	"	"	h	m	s	s	°	'	"	"
1	Moon II, S.	II	14 34.51	+ 0.32	-22.41	53 2 5.00	45.777	+ 1 20.1	48.5	13 14 12.42	-69.01	- 14 12 29.2	..							
2	α Ursæ Minoris s. p.	4	21 5.25	+ 1.64	[-20.33]	307 38 4.48	46.320	- 1 17.8	[48.2]	1 20 . .	..	..	..							
3	Virginis	6	29 54.82	+ 0.30	-22.41	38 54 6.38	48.270	+ 48.7	49.5	13 29 . .	..	..	..							
4	δ Scorpii	II	54 43.15	+ 0.32	-22.42	61 10 6.40	42.921	+ 1 49.6	48.8	15 54 . .	..	..	..							
5	β Scorpii	II	59 55.23	+ 0.32	-22.33	58 22 5.18	42.646	+ 1 38.0	49.0	15 59 . .	..	..	..							
6	Uranus C, C.	II	5 1.91	+ 0.32	-22.39	59 28 5.78	42.776	+ 1 42.3	48.5	16 4 39.84	..	- 20 37 54.4	..							
7	α Scorpii	II	23 34.16	+ 0.32	-22.35	65 2 5.60	43.170	+ 2 9.5	48.3	16 23 . .	..	..	..							
8	Saturn I, S.	6	43 36.67	+ 0.32	-22.39	59 12 4.95	45.288	+ 1 41.4	48.5	16 43 14.60	+ 0.64	- 20 22 40.9	..							
9	Saturn II, N.	5	43 37.96	+ 0.32	-22.39	59 12 4.95	44.328	+ 1 41.4	48.5	16 43 15.89	- 0.65	- 20 22 22.4	..							
10	δ Ophiuchi	II	20 33.31	+ 0.32	-22.47	62 54 5.85	45.329	+ 1 58.0	48.2	17 20 . .	..	..	..							
April 6, L.																				
11	α Pegasi	II	0 3.52	+ 0.24	-22.44	24 12 5.98	42.642	+ 26.8	48.4	22 59 . .	..	..	..							
12	α Andromedæ	II	3 29.35	+ 0.22	-22.48	10 20 5.28	42.591	+ 11.0	48.0	0 3 . .	..	..	..							
13	γ Pegasi	II	8 21.61	+ 0.24	-22.45	24 14 . .	..	..	..	0 7 . .	..	..	..							
April 7, L.																				
14	Sun I, N.	II	5 18.15	+ 0.25	-22.45	31 34 5.92	42.068	+ 36.2	48.1	1 4 55.95	+64.69	+ 7 17 26.4	..							
15	Sun II, S.	II	7 27.54	+ 0.25	-22.45	32 6 5.90	41.878	+ 37.0	48.1	1 7 5.34	-64.70	+ 6 45 25.4	..							
16	α Ursæ Minoris	4	21 11.78	- 3.42	[-21.76]	310 6 3.70	45.847	- 1 9.5	[49.6]	1 20 . .	..	..	..							
17	α Arietis	8	1 47.95	+ 0.23	-22.40	15 52 . .	..	..	..	2 1 . .	..	..	..							
18	Mercury C, C.	II	15 7.68	+ 0.24	-22.45	22 52 4.90	42.808	+ 24.8	48.1	2 14 45.47	+ 0.09	+ 15 59 24.8	..							
19	ζ Persei	II	48 6.24	+ 0.22	-22.47	7 16 3.95	44.936	+ 7.5	47.8	3 47 . .	..	..	..							
20	α Tauri	9	30 27.30	+ 0.24	-22.48	22 32 5.95	46.145	+ 24.2	48.2	4 30 . .	..	..	..							
21	o Virginis	II	0 26.18	+ 0.13	-22.50	29 32 7.30	47.522	+ 33.8	47.4	12 0 . .	..	..	..							
22	γ Corvi	II	10 58.84	+ 0.17	-22.50	55 48 6.25	46.509	+ 1 27.7	48.1	12 10 . .	..	..	..							
23	Jupiter I, S.	6	16 32.37	+ 0.15	-22.51	38 52 6.28	44.300	+ 48.1	47.9	12 16 10.01	+ 1.53	- 0 1 30.7	..							
24	Jupiter II, N.	5	16 35.42	+ 0.15	-22.51	38 52 6.28	42.068	+ 48.1	47.9	12 16 13.06	- 1.52	- 0 0 47.9	..							
25	θ Virginis	II	5 5.46	+ 0.15	-22.52	43 50 8.08	45.238	+ 57.4	47.9	13 4 . .	..	..	..							
26	α Virginis	II	20 14.53	+ 0.16	-22.53	49 28 5.98	44.859	+ 1 9.9	47.2	13 19 . .	..	..	..							
27	α Ursæ Minoris s. p.	8	21 6.20	+ 5.42	[-24.95]	307 38 4.75	46.292	- 1 17.1	[48.7]	1 20 . .	..	..	..							
28	Moon II, S.	II	12 39.14	+ 0.17	-22.53	58 16 5.00	43.083	+ 1 36.8	47.9	14 12 16.78	-71.52	- 19 29 9.9	..							
29	α Libræ	II	45 39.55	+ 0.16	-22.59	54 26 5.48	48.269	+ 1 23.8	48.4	14 45 . .	..	..	..							
30	β Libræ	II	11 56.38	+ 0.16	-22.56	47 50 5.70	47.045	+ 1 6.2	48.3	15 11 . .	..	..	..							
31	Uranus C, C.	II	4 55.97	+ 0.17	-22.55	59 28 5.12	41.981	+ 1 41.5	47.9	16 4 33.59	..	- 20 37 38.3	..							
32	δ Ophiuchi	II	9 25.05	+ 0.15	-22.50	42 16 5.85	46.026	+ 54.6	48.1	16 9 . .	..	..	..							
33	ζ Ophiuchi	II	31 57.57	+ 0.16	-22.52	49 12 5.32	44.278	+ 1 9.5	47.9	16 31 . .	..	..	..							
34	Saturn I, S.	6	43 30.08	+ 0.17	-22.55	59 12 5.28	44.280	+ 1 40.6	47.9	16 43 7.70	+ 0.67	- 20 22 21.6	..							
35	Saturn II, N.	5	43 31.42	+ 0.17	-22.55	59 12 5.28	43.240	+ 1 40.6	47.9	16 43 9.04	- 0.67	- 20 22 1.8	..							
April 7, K.																				
36	η Aquarii	IO	30 29.98	+ 0.12	-22.34	39 28 6.05	47.617	+ 48.6	49.0	22 30 . .	..	..	..							
37	ζ Pegasi	II	36 45.42	+ 0.11	-22.34	28 32 10.75	46.640	+ 32.1	48.7	22 36 . .	..	..	..							
38	α Piscis Australis	II	52 24.14	+ 0.14	-22.47	68 58 3.68	45.742	+ 2 32.1	50.0	22 52 . .	..	..	..							
39	α Pegasi	II	0 3.53	+ 0.10	-22.29	24 12 3.38	42.892	+ 26.4	50.2	22 59 . .	..	..	..							
April 8, K.																				
40	Sun I, S.	IO	8 57.72	+ 0.11	-22.40	31 42 1.52	47.270	+ 35.9	50.0	1 8 35.43	+64.70	+ 7 7 53.2	..							
41	Sun II, N.	II	11 7.12	+ 0.11	-22.40	31 10 9.20	46.820	+ 35.2	50.0	1 10 44.83	-64.70	+ 7 39 51.0	..							
42	α Ursæ Minoris	5	21 12.16	- 3.10	[-22.31]	310 8 . .	..	..	..	1 20 . .	..	..	..							
43	β Arietis	II	49 23.05	+ 0.10	-22.46	18 32 2.78	45.535	+ 19.5	49.9	1 49 . .	..	..	..							
44	Venus C.	..	..	..	..	27 20 5.45	46.221	+ 30.0	50.0	1 59 . .	..	+ 11 30 13.4	..							
45	α Arietis	II	1 48.10	+ 0.09	-22.40	15 52 5.50	44.806	+ 16.5	50.7	2 1 . .	..	..	..							
46	Mercury I, C.	II	19 49.70	+ 0.10	-22.42	22 18 5.50	48.032	+ 23.8	50.0	2 19 27.38	+ 0.25	+ 16 31 44.7	..							
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.																				
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.								
d h m	in.	°	°						'	"	"	'								
6 13 37	29.868	33.4	31.9	1, 28.	Bisections at II, III, IV, V, VI.			1	+47 12.7	+16 10.2	..	+63 22.9								
16 7	29.856	31.9	30.3	2.	Bisections at C ₁ , C ₃ , C ₂ , C ₁ .			6	+ 0.4	..	..	+ 0.4								
17 16	29.860	31.2	30.2	3, 15, 37, 41.	Bisections at VI, VII.			8	+ 0.8	+ 9.3	..	+ 10.1								
23 1	29.900	41.6	38.9	8, 24, 35.	Bisections at II, VI.			9	+ 0.8	+ 9.2	..	+ 8.4								
7 1 7	29.882	44.2	43.5	9, 23, 34.	Bisections at I, VII.			14	+ 4.6	-16 0.5	..	-15 55.9								
2 21	29.868	46.9	45.4	14, 18, 20, 40.	Bisections at I, II.			15	+ 4.7	+16 0.4	..	+16 5.1								
12 5	29.944	39.0	38.7	16.	Bisections at C ₁ , C ₂ , C ₄ .			18	+ 3.6	..	+ 0.6	+ 4.2								
13 9	29.952	38.8	37.5	27.	Bisections at C ₃ , C ₂ , C ₁ .			23	+ 1.3	+ 21.4	..	+ 22.7								
14 8	29.952	38.0	36.9	28.	Z. D. thread A used.			24	+ 1.3	- 21.4	..	+ 20.1								
15 12	29.950	37.2	36.1	36.	Bisections at II, VI, VII.			28	+50 39.9	+16 17.4	..	+66 57.3								
16 38	29.938	36.0	35.3					31	+ 0.4	..	..	+ 0.4								
22 31	29.996	46.0	44.9					34	+ 0.8	+ 9.9	..	+ 10.7								
23 2	30.000	47.3	47.0					35	+ 0.8	+ 9.9	..	+ 9.1								
8 1 11	29.975	51.9	52.0					40	+ 4.6	+15 58.9	..	+16 3.5								
1 50	29.966	53.0	52.9					41	+ 4.5	-15 58.8	..	-15 54.3								
2 22	29.960	54.7	53.7					44	+ 2.4	..	+ 0.0	+ 2.4								
19, 20. Change of temperature, etc., derived from the Met. Journal.								46	+ 3.6	..	+ 0.7	+ 4.3								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Ceti	8	57 19.71	+ 0.11	-22.40	35 10 5.95	41.855	+ 40.6	51.6	2 56 . .	. .		. .
2	γ Corvi	11	10 58.96	+ 0.10	-22.55	55 48 2.02	46.976	+ 1 25.6	50.6	12 10 . .	. .		. .
3	Jupiter I, S.	5	16 5.80	+ 0.09	-22.53	38 48 4.60	48.302	+ 46.9	49.9	12 15 43.36	+ 1.49	+ 0 1 17.4	. .
4	Jupiter II, N.	6	16 8.78	+ 0.09	-22.53	38 48 4.60	46.108	+ 46.9	49.9	12 15 46.34	- 1.49	+ 0 1 59.5	. .
5	β Corvi	11	29 27.18	+ 0.10	-22.59	61 40 4.32	43.882	+ 1 47.7	50.4	12 29 . .	. .		. .
6	δ Virginis	11	5 5.54	+ 0.09	-22.53	43 50 1.58	45.769	+ 56.0	50.2	13 4 . .	. .		. .
7	α Virginis	11	20 14.55	+ 0.09	-22.48	49 28 1.10	45.398	+ 1 8.2	50.9	13 19 . .	. .		. .
8	α Ursæ Minoris S. P.	4	21 7.35	+ 3.86	-24.36	307 38 2.12	46.468	+ 1 15.2	[50.3]	1 20 . .	. .		. .
9	Moon II, S.	11	14 43.56	+ 0.10	-22.52	62 26 1.68	48.087	+ 1 52.9	49.9	15 14 21.14	-73.93	- 23 37 41.5	. .
10	Uranus C, C.	11	4 49.66	+ 0.10	-22.52	59 26 2.60	47.679	+ 1 39.7	49.9	16 4 27.24	. .	- 20 37 21.3	. .
11	δ Ophiuchi	11	9 25.13	+ 0.09	-22.50	42 16 0.00	46.378	+ 53.6	49.4	16 9 . .	. .		. .
12	α Scorpii	11	23 34.68	+ 0.10	-22.60	65 2 3.08	43.581	+ 2 6.1	50.1	16 23 . .	. .		. .
13	β Herculis	11	26 14.94	+ 0.07	-22.47	17 8 5.00	46.315	+ 18.2	48.4	16 25 . .	. .		. .
14	ζ Ophiuchi	11	31 57.65	+ 0.09	-22.50	49 12 2.22	44.580	+ 1 8.2	49.4	16 31 . .	. .		. .
15	Saturn I, S.	5	43 22.74	+ 0.10	-22.52	59 12 1.30	43.562	+ 1 38.6	49.9	16 43 0.32	+ 0.66	- 20 21 59.8	. .
16	Saturn II, N.	6	43 24.05	+ 0.10	-22.52	59 12 1.30	42.575	+ 1 38.6	49.9	16 43 1.63	- 0.65	- 20 21 41.1	. .
April 8, B.													
17	α Andromedæ	11	3 29.40	0.00	-22.28	10 20 7.55	42.654	+ 10.5	50.8	0 3 . .	. .		. .
April 9, B.													
18	Sun I, N.	11	12 37.55	0.00	-22.29	30 48 5.38	46.565	+ 34.1	51.9	1 12 15.26	+64.70	+ 8 2 6.5	. .
19	Sun II, S.	11	14 46.96	0.00	-22.29	31 20 4.30	46.185	+ 32.5	51.9	1 14 24.67	-64.71	+ 7 30 12.7	. .
20	α Tauri	11	30 27.37	0.00	-22.33	22 32 0.12	46.665	+ 23.6	53.1	4 30 . .	. .		. .
21	ι Aurigæ	11	50 44.63	- 0.01	-22.38	5 50 5.82	46.951	+ 5.9	52.4	4 50 . .	. .		. .
22	α Aurigæ	11	9 32.90	- 0.02	-22.25	352 57 57.18	43.512	+ 6.9	51.4	5 9 . .	. .		. .
23	ν Leonis	7	32 9.07	- 0.03	-22.59	39 6 0.35	46.115	+ 47.1	51.3	11 31 . .	. .		. .
24	β Leonis	11	44 17.07	- 0.03	-22.56	23 41 56.52	46.869	+ 25.5	51.5	11 43 . .	. .		. .
25	ο Virginis	11	0 26.43	- 0.03	-22.59	29 32 5.42	47.835	+ 32.9	50.7	12 0 . .	. .		. .
26	γ Corvi	11	10 59.23	- 0.03	-22.69	55 48 4.92	46.916	+ 1 25.2	51.9	12 10 . .	. .		. .
27	Jupiter I, S.	5	15 39.62	- 0.03	-22.62	38 46 0.90	46.175	+ 46.6	51.6	12 15 16.97	+ 1.48	+ 0 4 3.9	. .
28	Jupiter II, N.	6	15 42.58	- 0.03	-22.62	38 46 0.90	43.990	+ 46.6	51.6	12 15 19.93	- 1.48	+ 0 4 45.8	. .
29	β Corvi	8	29 27.44	- 0.04	-22.71	61 40 4.75	44.122	+ 1 47.3	52.8	12 29 . .	. .		. .
30	δ Virginis	11	5 5.75	- 0.03	-22.62	43 50 1.40	45.878	+ 55.8	51.8	13 4 . .	. .		. .
31	α Virginis	11	20 14.81	- 0.03	-22.61	49 28 . .	. .	. .	. .	13 19 . .	. .		. .
32	α Ursæ Minoris S. P.	1	21 8.70	+ 4.18	-25.84	307 38 1.98	46.540	+ 1 14.9	[50.8]	1 20 . .	. .		. .
33	α Serpentis	11	39 39.94	- 0.03	-22.52	32 6 4.95	45.166	+ 36.6	51.4	15 39 . .	. .		. .
34	ε Serpentis	11	46 9.16	- 0.03	-22.50	34 4 5.80	44.026	+ 39.4	51.4	15 45 . .	. .		. .
35	δ Scorpii	11	54 43.81	- 0.04	-22.65	61 10 5.68	43.318	+ 1 45.6	51.6	15 54 . .	. .		. .
36	β Scorpii	11	59 55.91	- 0.04	-22.58	58 22 5.10	42.965	+ 1 34.5	51.5	15 59 . .	. .		. .
37	Uranus C, C.	11	4 43.24	- 0.04	-22.56	59 26 5.45	46.724	+ 1 38.6	51.6	16 4 20.64	. .	- 20 37 3.0	. .
38	Saturn I, S.	5	43 15.04	- 0.04	-22.55	59 10 4.25	38.600	+ 1 37.8	51.6	16 42 52.45	+ 0.65	- 20 21 40.3	. .
39	Saturn II, N.	5	43 16.35	- 0.04	-22.55	59 10 4.25	37.540	+ 1 37.8	51.6	16 42 53.76	- 0.66	- 20 21 20.1	. .
April 11, Po.													
40	ε Pegasi	11	39 34.10	- 0.06	-22.44	29 26 5.30	45.540	+ 32.8	49.6	21 39 . .	. .		. .
41	α Aquarii	11	0 56.33	- 0.07	-22.48	39 40 4.82	42.642	+ 47.9	50.7	22 0 . .	. .		. .
42	α Pegasi	11	0 3.93	- 0.06	-22.45	24 12 4.62	42.828	+ 25.7	49.6	22 59 . .	. .		. .
43	α Andromedæ	11	3 29.72	- 0.05	-22.50	10 20 4.82	42.745	+ 10.4	49.6	0 3 . .	. .		. .
44	α Ursæ Minoris	6	21 10.15	- 1.20	-21.42	310 6 1.90	45.819	+ 1 6.8	[49.7]	1 20 . .	. .		. .
April 12, Po.													
45	Sun I, N.	11	23 38.69	- 0.06	-22.45	29 42 4.75	46.375	+ 32.3	50.6	1 23 16.18	+64.79	+ 9 8 11.3	. .
46	Sun II, S.	11	25 48.27	- 0.06	-22.45	30 14 4.22	45.820	+ 33.0	50.6	1 25 25.76	-64.79	+ 8 36 18.0	. .
Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°	°				' "	' "	"	' "		
8 2 57	29.954	56.0	55.0		1, 11, 19, 23, 46.	Bisections at VI, VII.	3	+ 1.2	+ 21.0	. .	+ 22.2		
12 11	29.934	48.3	50.0		3, 15, 27, 38.	Bisections at I, VII.	4	+ 1.2	- 21.1	. .	- 19.9		
12 27	29.934	48.2	49.9		4, 16, 28, 39.	Bisections at II, VI.	9	+ 53 0.4	+ 16 21.2	. .	+ 69 21.6		
13 22	29.934	48.0	49.1		5.	Bisections at II, VI, VII.	10	+ 0.4	. .	. .	+ 0.4		
15 16	29.936	44.0	43.3		8.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ .	15	+ 0.8	+ 9.4	. .	+ 10.2		
16 11	29.932	43.2	43.9		9.	Bisections at II, III, IV, V, VI.	16	+ 0.8	- 9.3	. .	- 8.5		
16 40	29.930	44.2	44.7		18, 29, 45.	Bisections at I, II.	18	+ 4.5	- 15 56.9	. .	- 15 52.4		
0 10	29.920	56.8	56.3		32.	Bisections at B ₃ , B ₂ , B ₁ .	19	+ 4.6	+ 15 56.8	. .	+ 16 1.4		
1 15	29.898	59.1	58.5		38, 39.	Z. D. thread A used.	27	+ 1.2	+ 21.0	. .	+ 22.2		
4 34	29.842	62.3	61.9		44.	Bisections at B ₁ , B ₂ , C ₁ , C ₂ .	28	+ 1.2	- 20.9	. .	- 19.7		
5 20	29.838	62.7	62.7				37	+ 0.4	. .	. .	+ 0.4		
11 36	29.830	52.2	50.9				38	+ 0.8	+ 10.1	. .	+ 10.9		
12 25	29.822	51.0	50.0				39	+ 0.8	- 10.1	. .	- 9.3		
13 40	29.800	50.0	48.9				45	+ 4.4	- 15 56.7	. .	- 15 52.3		
15 35	29.776	48.0	47.5				46	+ 4.4	+ 15 56.6	. .	+ 16 1.0		
16 10	29.766	47.6	46.1										
16 43	29.784	47.2	45.9										
21 45	29.950	52.0	52.7										
23 5	29.958	59.0	59.7										
0 8	29.948	60.1	62.8										
12 1 26	29.932	63.8	64.2										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus I, C.	6	18 40.88	- 0.06	-22.44	25 32 4.22	45.695	+	27.0	50.6	2 18 18.38	+ 0.37	+ 13 18 28.2
2	Venus II.	5	18 41.60	- 0.06	-22.44						2 18 19.10	- 0.35	
3	Mercury I, C.	11	35 15.98	- 0.06	-22.44	20 38 3.72	48.225	+	21.3	50.6	2 34 53.48	+ 0.28	+ 18 11 45.9
4	α Ceti	11	57 19.90	- 0.07	-22.42	35 10 3.80	42.089	+	39.7	51.8	2 56 . . .		
5	ζ Persei	11	48 6.45	- 0.05	-22.44	7 15 58.68	45.418	+	7.2	51.0	3 47 . . .		
6	γ Tauri	11	14 22.69	- 0.06	-22.44	23 27 59.40	44.578	+	24.5	50.9	4 14 . . .		
7	α Tauri	11	30 27.50	- 0.06	-22.43	22 32 4.12	46.372	+	23.4	51.3	4 30 . . .		
8	β Leonis	11	44 16.95	- 0.02	-22.46	23 42 . . .					11 43 . . .		
9	ο Virginis	11	0 26.19	- 0.03	-22.35	29 32 4.92	47.871	+	32.6	50.8	12 0 . . .		
10	Jupiter I, S.	6	14 21.88	- 0.04	-22.45	38 38 5.32	45.778	+	45.9	51.6	12 13 59.39	+ 1.53	+ 0 12 7.8
11	Jupiter II, N.	5	14 24.94	- 0.04	-22.45	38 38 5.32	43.532	+	45.9	51.6	12 14 2.45	- 1.53	+ 0 12 50.8
12	β Corvi	11	29 27.34	- 0.09	-22.55	61 40 5.05	44.070	+	1 46.3	52.2	12 29 . . .		
13	θ Virginis	11	5 5.55	- 0.05	-22.38	43 50 4.75	45.721	+	55.3	51.6	13 4 . . .		
14	α Ursæ Minoris S. P.	8	21 11.10	- 0.34	[-23.16]	307 38 3.00	46.300	-	1 14.3	[51.5]	1 20 . . .		
15	ζ Virginis	11	29 55.29	- 0.04	-22.49	38 54 5.35	48.618	+	46.6	51.6	13 29 . . .		
16	δ Scorpii	11	54 43.80	- 0.09	-22.52	61 10 4.90	43.316	+	1 45.1	50.1	15 54 . . .		
17	β ¹ Scorpii	11	59 56.03	- 0.08	-22.59	58 22 3.15	43.116	+	1 34.0	51.7	15 59 . . .		
18	Uranus C, C.	11	4 22.40	- 0.08	-22.48	59 26 4.42	43.759	+	1 38.0	50.1	16 3 59.84		- 20 36 6.0
19	α Scorpii	11	23 34.86	- 0.10	-22.47	65 2 5.48	43.581	+	2 4.3	50.5	16 23 . . .		
20	Saturn I, S.	6	42 49.50	- 0.08	-22.48	59 10 5.58	45.305	+	1 37.1	50.1	16 42 26.94	+ 0.72	- 20 20 35.8
21	Saturn II, N.	5	42 50.94	- 0.08	-22.48	59 10 5.58	44.330	+	1 37.1	50.1	16 42 28.38	- 0.72	- 20 20 17.3
22	κ Ophiuchi	11	53 15.26	- 0.03	-22.31	29 18 5.95	47.558	+	32.7	49.6	16 52 . . .		
23	α ¹ Herculis	11	10 24.64	- 0.03	-22.43	24 20 5.82	46.732	+	26.3	49.4	17 10 . . .		
24	θ Ophiuchi	11	20 33.97	- 0.09	-22.56	62 54 4.58	45.725	+	1 53.4	49.8	17 20 . . .		
25	σ Sagittarii	11	49 21.70	- 0.10	-22.66	65 14 4.50	46.324	+	2 5.8	49.3	18 48 . . .		
26	Moon II, N.	11	35 49.61	- 0.09	-22.58	61 8 5.32	45.031	+	1 45.1	50.1	19 35 26.94	-72.33	- 22 18 38.5
27	α Aquilæ	11	46 12.59	- 0.03	-22.50	30 14 4.80	47.369	+	33.9	49.5	19 45 . . .		
28	α ² Capricorni	11	12 48.20	- 0.07	-22.58	51 42 4.68	43.709	+	1 13.2	51.3	20 12 . . .		
April 12, S.													
29	α Aquarii	11	0 56.22	- 0.17	-22.24	39 40 4.52	42.678	+	47.3	50.6	22 0 . . .		
30	ζ Pegasi	8	36 45.85	- 0.17	-22.39	28 32 4.82	47.182	+	30.9	50.8	22 36 . . .		
31	α Piscis Australis	11	52 24.47	- 0.20	-22.35	68 58 2.78	46.038	+	2 26.7	50.6	22 52 . . .		
32	α Pegasi	7	0 3.89	- 0.17	-22.28	24 12 4.00	42.912	+	25.5	50.9	22 59 . . .		
April 13, S.													
33	Sun I, S.	11	27 19.53	- 0.17	-22.28	29 51 58.42	47.320	+	32.3	51.2	1 26 57.08	+64.83	+ 8 58 0.1
34	Sun II, N.	11	29 29.19	- 0.17	-22.28	29 20 9.02	46.832	+	31.6	51.2	1 29 6.74	-64.83	+ 9 29 55.8
35	Venus I, C.	6	23 25.68	- 0.17	-22.27	25 6 3.58	44.898	+	26.2	51.2	2 23 3.24	+ 0.32	+ 13 44 44.3
36	Venus II.	5	23 26.30	- 0.17	-22.27						2 23 3.86	- 0.30	
37	α Tauri	11	30 27.44	- 0.17	-22.27	22 32 3.92	46.466	+	23.2	52.6	4 30 . . .		
38	ι Aurigæ	11	50 44.60	- 0.18	-22.23	5 50 3.12	47.002	+	5.8	51.6	4 50 . . .		
April 15, Br.													
39	α Aquarii	11	0 56.55	- 0.06	-22.61	39 40 5.12	42.450	+	47.2	48.5	22 0 . . .		
40	Moon II, N.	11	21 16.25	- 0.07	-22.63	46 2 4.18	46.958	+	59.0	49.8	22 20 53.55	-65.51	- 7 12 29.1
41	ζ Pegasi	11	36 46.05	- 0.05	-22.63	28 32 5.08	47.090	+	30.9	49.5	22 36 . . .		
42	α Pegasi	11	0 4.15	- 0.04	-22.60	24 12 3.82	42.848	+	25.5	49.1	22 59 . . .		
43	α Andromedæ	11	3 29.86	- 0.03	-22.59	10 20 3.25	42.828	+	10.3	49.2	0 3 . . .		
44	γ Pegasi	10	8 22.31	- 0.04	-22.74	24 14 3.92	44.010	+	25.4	50.3	0 7 . . .		
45	α Ursæ Minoris	8	21 10.86	- 0.05	[-23.00]	310 6 1.85	45.895	-	1 6.2	[49.4]	1 20 . . .		
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
12 2 40	29.924	66.3	65.9		10, 20.	Bisections at I, VII.			1	+	2.3	0.0	+ 2.3
4 36	29.878	67.0	66.9		11, 21.	Bisections at II, VI.			3	+	3.7	+ 0.9	+ 4.6
12 10	29.828	56.0	55.6		14.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .			10	+	1.2		+ 22.7
13 35	29.808	53.8	52.8		26, 40.	Bisections at II, III, IV, V, VI.			11	+	1.2	- 21.5	+ 20.3
15 45	29.750	51.5	49.1		32, 35.	Bisections at II, VI, VII.			18	+	0.4		+ 0.4
17 0	29.734	49.0	47.6		33.	Bisections at I, II.			20	+	0.8	+ 9.2	+ 10.0
17 25	29.728	48.1	46.9		34, 38, 39.	Bisections at VI, VII.			21	+	0.8	- 9.3	- 8.5
18 40	29.722	46.5	46.2		45.	Bisections at C ₁ , C ₂ , C ₃ , C ₅ .			26	+	51 35.4	-16 7.0	+35 28.4
19 55	29.732	49.8	48.9						33	+	4.4	+15 57.8	+16 2.2
22 3	29.717	57.6	56.9						34	+	4.3	-15 57.8	-15 53.5
23 4	29.710	61.0	60.1						35	+	2.3	0.0	+ 2.3
13 1 29	29.668	66.0	64.1						40	+	41 18.1	-15 42.7	+25 35.4
2 29	29.626	67.1	66.0										
4 37	29.545	67.0	66.0										
4 56	29.539	66.9	65.9										
15 21 55	29.512	53.5	54.0										
22 52	29.542	56.7	56.4										
0 14	29.560	60.1	59.8										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
April 16, Br.													
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, N.	11	38 24.76	-0.05	-22.66	28 16 7.18	46.102	+	30.1	50.6	1 38 2.05	+65.04	+ 10 34 16.3
2	Sun II, S.	11	40 34.84	-0.05	-22.66	28 48 6.28	45.652	+	30.8	50.6	1 40 12.13	-65.04	+ 10 2 21.4
3	Venus I, C.	6	37 46.52	-0.04	-22.67	23 48 4.18	48.600	+	24.7	51.1	2 37 23.81	+0.34	+ 15 1 35.4
4	Venus II.	5	37 47.18	-0.04	-22.67						2 37 24.47	-0.32	
5	Mercury I, C.	11	44 50.57	-0.04	-22.67	19 46 3.95	50.135	+	20.1	51.2	2 44 27.86	+0.31	+ 19 3 10.8
6	α Tauri	11	30 27.77	-0.04	-22.76	22 32 4.78	46.464	+	23.1	53.3	4 30 . . .		
7	ι Aurigæ	11	50 44.88	-0.03	-22.69	5 50 2.80	47.135	+	5.7	52.1	4 50 . . .		
8	β Tauri	11	20 14.60	-0.03	-22.67	10 20 3.68	43.790	+	10.2	51.6	5 19 . . .		
9	δ Orionis	11	27 11.49	-0.06	-22.67	39 12 4.48	47.899	+	45.3	52.5	5 26 . . .		
10	ν Leonis	11	32 9.32	-0.08	-22.82	39 6 5.65	46.028	+	46.0	52.5	11 31 . . .		
11	β Leonis	11	44 17.25	-0.05	-22.75	23 42 5.15	46.459	+	24.9	52.3	11 43 . . .		
12	ο Virginis	11	0 26.69	-0.06	-22.83	29 32 4.85	47.985	+	32.1	52.8	12 0 . . .		
13	Jupiter I, N.	5	12 43.54	-0.08	-22.81	38 28 4.92	42.980	+	45.0	52.7	12 12 20.65	+1.52	+ 0 23 3.8
14	Jupiter II, S.	5	12 46.58	-0.08	-22.81	38 28 4.92	45.215	+	45.0	52.7	12 12 23.69	-1.52	+ 0 22 21.0
15	γ Virginis	11	5 6.03	0.10	-22.79	43 50 5.10	45.792	+	54.5	52.5	13 4 . . .		
16	α Ursæ Minoris S. P.	8	21 9.45	-2.36	[-19.13]	307 38 2.88	46.168	-	13.2	[51.2]	1 20 . . .		
17	ζ Virginis	11	29 55.71	-0.08	-22.85	38 54 5.68	48.746	+	45.8	53.2	13 29 . . .		
18	α Serpentis	11	39 40.39	-0.07	-22.80	32 6 5.48	45.198	+	35.9	52.3	15 39 . . .		
19	ε Serpentis	11	46 9.61	-0.07	-22.77	34 4 5.60	44.109	+	38.7	52.7	15 45 . . .		
20	δ Scorpii	11	54 44.35	-0.15	-22.91	61 10 5.02	43.455	+	143.8	51.2	15 54 . . .		
21	Uranus C, C.	11	3 53.02	-0.15	-22.82	59 24 4.45	45.876	+	136.8	51.7	16 3 30.05		20 34 43.8
22	β Herculis	11	26 15.59	-0.03	-22.84	17 8 4.80	46.401	+	17.8	50.7	16 26 . . .		
23	Saturn I, N.	5	42 10.70	-0.14	-22.82	59 8 4.82	45.710	+	136.0	51.7	16 41 47.74	+0.69	- 20 18 40.1
24	Saturn II, S.	6	42 12.08	-0.14	-22.82	59 8 4.82	46.700	+	136.0	51.7	16 41 49.12	-0.69	- 20 18 59.3
25	κ Ophiuchi	11	53 15.91	-0.06	-22.83	29 18 0.10	47.975	+	32.3	51.6	16 52 . . .		
26	α ¹ Herculis	11	10 25.10	-0.05	-22.76	24 20 5.60	46.832	+	26.1	51.5	17 10 . . .		
April 17, S.													
27	ο Virginis	11	0 26.86	-0.07	-22.99	29 32 4.40	48.080	+	31.6	53.7	12 0 . . .		
28	Jupiter I, S.	5	12 20.00	-0.08	-22.93	38 24 4.50	50.332	+	44.2	54.3	12 11 56.99	+1.43	+ 0 24 45.7
29	Jupiter II, N.	6	12 22.87	-0.08	-22.93	38 24 4.50	48.132	+	44.2	54.3	12 11 59.86	-1.44	+ 0 25 27.9
30	η Virginis	11	15 7.23	-0.08	-22.93	38 55 58.25	47.635	+	45.0	53.9	12 14 . . .		
31	γ Virginis	11	5 6.20	-0.09	-22.96	43 50 4.32	45.979	+	53.6	54.3	13 4 . . .		
32	α Virginis	8	20 15.15	-0.10	-22.83	49 27 54.22	46.018	+	5.3	54.0	13 19 . . .		
33	α Ursæ Minoris S. P.	6	21 6.88	-0.18	[-18.62]	307 38 2.50	46.413	-	12.0	[54.0]	1 20 . . .		
34	β ¹ Scorpii	11	59 56.57	-0.12	-22.98	58 22 3.12	43.605	+	130.7	56.2	15 59 . . .		
35	Uranus C, C.	11	3 45.23	-0.12	-22.93	59 24 3.15	45.161	+	134.5	54.3	16 3 22.18		- 20 34 23.9
36	β Herculis	11	26 15.75	-0.06	-22.94	17 8 3.45	46.651	+	17.3	53.7	16 25 . . .		
37	κ Ophiuchi	11	31 58.48	-0.10	-22.92	49 12 3.98	44.941	+	14.9	54.8	16 31 . . .		
38	Saturn I, S.	5	42 0.17	-0.12	-22.93	59 8 3.38	45.705	+	133.5	54.3	16 41 37.12	+0.68	- 20 18 33.7
39	Saturn II, N.	5	42 1.52	-0.12	-22.93	59 8 3.38	44.785	+	133.5	54.3	16 41 38.47	-0.67	- 20 18 15.9
40	κ Ophiuchi	11	53 15.99	-0.07	-22.88	29 18 4.45	47.905	+	31.5	54.0	16 52 . . .		
April 17, K.													
41	γ Pegasi	11	8 22.43	-0.20	-22.66	24 14 1.22	44.400	+	24.8	54.4	0 7 . . .		
42	β Ceti	11	38 51.76	-0.24	-22.71	57 22 . . .					0 38 . . .		
43	β Andromedæ	11	4 24.20	-0.19	-22.58	3 46 1.55	46.105	+	3.7	55.5	1 4 . . .		
44	α Ursæ Minoris	5	21 11.94	-2.14	[-21.63]	310 6 0.40	46.111	-	5.0	[53.9]	1 20 . . .		
April 18, K.													
45	Sun I, S.	11	45 50.20	-0.20	-22.63	28 6 4.30	46.078	+	29.5	55.8	1 45 27.37	+65.14	+ 10 44 25.4
46	Sun II, N.	11	48 0.48	-0.20	-22.63	27 34 3.98	46.398	+	28.8	55.8	1 47 37.65	-65.14	+ 11 16 16.6

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
16	1	41	29.569	62.8	63.7	1, 34, 45.	Bisections at I, II.	1	+	4.2	-15 57.5	-15 53.3
	3	0	29.570	66.1	65.9	2, 30, 32, 46.	Bisections at VI, VII.	2	+	4.2	+15 57.4	+16 1.6
	4	23	29.570	67.0	67.7	13, 23, 29, 39.	Bisections at I, VII.	3	+	2.2		+ 2.3
	4	55			67.8	14, 24, 28, 38.	Bisections at II, VI.	5	+	4.0		+ 5.1
	5	33	29.570	67.0	67.7	16.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ .	13	+	1.2	- 21.4	- 20.2
	11	23	29.660	59.5	60.0	33.	Bisections at B ₁ , B ₂ , B ₁ .	14	+	1.2	+ 21.4	+ 22.6
	12	18	29.660	58.5	59.4	44.	Bisections at B ₁ , B ₂ , B ₃ , C ₁ , C ₂ .	21	+	0.4		+ 0.4
	13	37	29.676	57.5	58.2			23	+	0.8	- 9.6	- 8.8
	15	35	29.682	55.5	54.9			24	+	0.8	+ 9.6	+ 10.4
	16	30	29.684	54.0	52.2			28	+	1.2	+ 21.1	+ 22.3
	17	13	29.684	53.5	51.7			29	+	1.2	- 21.1	- 19.9
	11	53	29.668	59.4	67.9			35	+	0.4		+ 0.4
	13	36	29.658	65.8	65.7			38	+	0.8	+ 8.9	+ 9.7
	15	44	29.656	64.8	64.4			39	+	0.8	- 8.9	- 8.1
	17	3	29.662	64.3	65.0			45	+	4.1	+15 55.6	+15 59.7
	0	0	29.786	74.9	75.2			46	+	4.1	-15 55.6	-15 51.5
	1	0	29.794	76.3	76.1							
18	1	48	29.808	76.3	75.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	α Tauri	11	30 27.73	- 0.20	-22.58	22 31 56.08	47.109	+	23.0	56.9	4 30 .		
2	ι Aurigæ	11	50 44.89	- 0.18	-22.57	5 50 1.92	47.338	+	5.7	55.3	4 50 .		
3	β Orionis	11	10 1.78	- 0.22	-22.59	47 9 58.70	43.645	+	59.7	57.2	5 9 .		
4	β Tauri	11	20 14.64	- 0.19	-22.57	10 20 3.60	43.992	+	10.1	55.3	5 19 .		
April 19, B.													
5	α Pegasi	11	0 3.77	- 0.24	-21.93	24 12 6.30	42.855	+	25.6	52.0	22 59 .		
6	θ Piscium	11	23 10.68	- 0.27	-21.95	33 2 6.75	42.951	+	36.9	52.5	23 22 .		
7	ι Piscium	11	35 5.26	- 0.27	-21.94	33 46 7.02	45.140	+	38.0	54.0	23 34 .		
8	α Andromedæ	11	3 29.45	- 0.20	-21.93	10 20 5.82	42.845	+	10.4	52.1	0 3 .		
9	γ Pegasi	11	8 21.78	- 0.24	-21.94	24 14 8.68	43.865	+	25.6	52.5	0 7 .		
10	β Andromedæ	11	4 23.54	- 0.17	-21.91	3 46 5.25	45.838	+	3.8	54.0	1 4 .		
11	α Ursæ Minoris	6	21 4.68	+ 2.68	[-18.67]	310 6 4.82	45.891	-	7.0	[50.2]	1 20 .		
April 20, B.													
12	Sun I, N.	11	53 16.33	- 0.25	-21.93	26 52 16.35	47.950	+	28.8	52.9	1 52 54.15	+65.32	+ 11 57 35.2
13	Sun II, S.	9	55 26.97	- 0.25	-21.93	27 24 5.38	47.855	+	29.4	52.9	1 55 4.79	-65.32	+ 11 25 43.7
14	Mercury C, C.	11	48 18.19	- 0.22	-21.93	19 46 4.88	43.586	+	20.4	52.9	2 47 56.04	+ 0.19	+ 19 5 16.9
15	Venus I, C.	5	57 7.66	- 0.23	-21.92	22 12 6.30	45.114	+	23.1	52.9	2 56 45.51	+ 0.42	+ 16 38 43.5
16	Venus II	6	57 8.48	- 0.23	-21.92			+	. . .	. . .	2 56 46.33	- 0.40	
17	ϵ Tauri	11	23 2.68	- 0.22	-21.95	19 54 5.25	43.376	+	20.6	52.6	4 22 .		
18	α Tauri	11	30 27.12	- 0.23	-21.95	22 32 2.15	46.565	+	23.6	53.1	4 30 .		
19	ι Aurigæ	11	50 44.21	- 0.18	-21.91	5 50 4.18	47.085	+	5.9	52.4	4 50 .		
20	β Tauri	11	20 13.93	- 0.20	-21.87	10 20 4.28	43.848	+	10.4	53.4	5 19 .		
21	δ Leonis	11	9 6.15	- 0.02	-22.08	17 46 5.90	45.148	+	18.7	50.1	11 8 .		
22	δ Crateris	11	14 39.43	- 0.15	-22.17	53 4 5.32	44.316	+	17.4	50.8	11 14 .		
23	τ Leonis	11	23 6.53	- 0.08	-22.11	35 25 56.05	44.352	+	41.5	50.4	11 22 .		
24	ν Leonis	11	32 8.64	- 0.09	-22.15	39 6 1.20	46.048	+	47.4	49.9	11 31 .		
25	Jupiter I, S.	6	11 10.42	- 0.09	-22.08	38 18 5.38	46.795	+	46.0	49.8	12 10 48.25	+ 1.49	+ 0 31 46.3
26	Jupiter II, N.	5	11 13.40	- 0.09	-22.08	38 18 5.38	44.608	+	46.0	49.8	12 10 51.23	- 1.49	+ 0 32 28.3
27	η Virginis	11	15 6.33	- 0.09	-22.03	38 56 6.28	46.858	+	47.1	49.1	12 14 .		
28	θ Virginis	11	5 5.30	- 0.11	-22.03	43 50 6.08	45.496	+	55.9	49.1	13 4 .		
29	α Ursæ Minoris S. P.	5	21 14.20	- 4.69	[-20.65]	307 38 3.60	46.019	-	15.1	[48.3]	1 20 .		
30	ζ Virginis	11	29 54.86	- 0.09	-21.97	38 54 5.52	48.455	+	47.1	49.5	13 29 .		
April 20, L.													
31	α Pegasi	9	0 3.83	- 0.07	-22.13	24 12 4.72	42.751	+	26.0	48.9	22 59 .		
32	α Ursæ Minoris	1	21 8.72	+ 3.91	[-23.58]	310 6 . . .		. . .	. . .	. . .	1 20 .		
April 21, L.													
33	Sun I, S.	6	57 0.34	- 0.08	-22.10	27 4 4.78	46.825	+	29.4	49.8	1 56 38.16	+65.38	+ 11 46 4.7
34	Sun II, N.	6	59 11.10	- 0.08	-22.10	26 32 4.32	47.150	+	28.7	49.8	1 58 48.92	-65.38	+ 12 17 55.9
35	α Ceti	11	57 19.58	- 0.10	-22.07	35 10 . . .		. . .	. . .	. . .	2 56 .		
36	Venus I, C.	5	2 0.78	- 0.07	-22.09	21 48 4.88	47.552	+	23.0	49.8	3 1 38.62	+ 0.40	+ 17 1 57.1
37	Venus II	6	2 1.55	- 0.07	-22.09			. . .	. . .	. . .	3 1 39.39	- 0.37	
38	ϵ Tauri	11	23 2.59	- 0.06	-22.02	19 54 . . .		. . .	. . .	. . .	4 22 .		
39	α Tauri	11	30 27.17	- 0.07	-22.17	22 32 4.28	46.290	+	23.7	50.1	4 30 .		
40	ι Aurigæ	11	50 44.16	- 0.02	-22.03	5 50 4.88	46.902	+	5.9	49.5	4 50 .		
41	β Orionis	7	10 1.18	- 0.14	-22.11	47 10 4.05	43.005	+	1.4	50.8	5 9 .		
42	β Leonis	11	44 16.63	- 0.11	-22.09	23 42 4.25	46.282	+	25.5	49.1	11 43 .		
43	θ Virginis	11	0 25.99	- 0.13	-22.08	29 32 4.85	47.739	+	32.9	49.1	12 0 .		
44	Jupiter I, N.	5	10 48.54	- 0.15	-22.07	38 16 4.12	44.010	+	45.8	49.8	12 10 26.32	+ 1.46	+ 0 34 41.2
45	Jupiter II, S.	6	10 51.47	- 0.15	-22.07	38 16 4.12	46.215	+	45.8	49.8	12 10 29.25	- 1.47	+ 0 33 58.9
46	η Virginis	11	15 6.43	- 0.16	-22.06	38 56 3.42	47.132	+	47.0	50.0	12 14 .		
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.	No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.				
d h m	in.	°	°			' "	' "	"	' "	' "			
18 4 30	29.808	75.8	73.9	2.	12	4.0	-15 55.8	.	-15	51.8			
19 5 18	29.808	74.4	73.0	7.	13	4.0	+15 55.7	.	+15	59.7			
22 50	29.598	58.0	56.5	11, 29.	14	4.4	.	+ 1.5	+	5.9			
23 40	29.600	59.5	57.5	12, 33, 36, 41.	15	2.0	.	+ 0.1	+	2.1			
0 15	29.608	60.0	57.7	13, 27, 34.	25	1.2	+ 21.0	.	+	22.2			
1 4	29.606	59.9	57.3	20.	26	1.2	- 21.0	.	+	19.8			
1 55	29.598	61.3	59.3	25, 44.	33	4.0	+15 55.6	.	+15	59.6			
3 5	29.599	61.0	57.7	26, 45.	34	3.9	-15 55.5	.	-15	51.6			
4 15	29.596	59.8	58.1		36	2.0	.	+ 0.1	+	2.1			
4 45	29.596	59.4	58.1		44	1.2	- 21.2	.	+	20.0			
5 25	29.682	48.0	45.7		45	1.2	+ 21.1	.	+	22.3			
11 40	29.682	47.8	45.3										
12 25	29.680	47.8	46.3										
13 35	29.682	47.0	45.5										
23 2	29.764	53.8	50.9										
21 1 59	29.788	57.0	54.6										
3 6	29.788	59.2	56.0										
4 31	29.776	60.7	58.6										
4 52	29.774	60.1	58.0										
5 12	29.774	60.0	57.9										
11 46	29.914	52.9	51.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ρ Leonis	11	27 51.25	-0.12	-22.11	29 0 2.88	48.152	+	31.4	52.9	10 27 . .		
2	l Leonis	11	44 18.69	-0.12	-22.13	27 46 4.75	44.392	+	29.8	52.9	10 43 . .		
3	v Leonis	11	32 8.74	-0.13	-22.28	39 6 5.98	45.996	+	46.2	52.7	11 31 . .		
4	β Leonis	11	44 16.59	-0.11	-22.12	23 42 4.82	46.396	+	25.0	52.1	11 43 . .		
5	α Virginis	11	0 26.06	-0.12	-22.21	29 32 5.15	47.882	+	32.3	52.3	12 0 . .		
6	Jupiter I, N.	6	7 52.87	-0.13	-22.15	37 58 4.72	46.212	+	44.4	52.7	12 7 30.59	+1.39	+0 52 2.7
7	Jupiter II, S.	5	7 55.64	-0.13	-22.15	37 58 4.72	48.288	+	44.4	52.7	12 7 33.36	-1.38	+0 51 22.8
8	η Virginis	11	15 6.38	-0.13	-22.07	38 56 4.62	47.238	+	46.0	52.5	12 14 . .		
9	δ Scorpii	11	54 43.76	-0.18	-22.01	61 10 4.10	43.625	+	1 43.4	52.5	15 54 . .		
10	Uranus C, C.	11	1 51.31	-0.17	-22.14	59 18 4.05	47.292	+	1 36.0	52.7	16 1 29.00		-20 29 8.8
11	α Scorpii	11	23 35.13	-0.18	-22.23	65 2 4.22	43.929	+	2 2.3	52.9	16 23 . .		
12	ζ Ophiuchi	11	31 58.05	-0.15	-22.16	49 12 4.25	44.735	+	1 6.2	53.2	16 31 . .		
13	Saturn I, S.	6	39 11.95	-0.17	-22.14	59 2 3.25	44.905	+	1 35.1	52.7	16 38 49.64	+0.70	-20 12 21.2
14	Saturn II, N.	5	39 13.36	-0.17	-22.14	59 2 3.25	43.848	+	1 35.1	52.7	16 38 51.05	-0.71	-20 12 1.1
15	κ Ophiuchi	11	53 15.61	-0.12	-22.16	29 18 4.58	47.685	+	32.2	52.2	16 52 . .		
May 1, S.													
16	ρ Leonis	11	27 51.19	-0.25	-21.93	29 0 4.00	48.195	+	31.0	54.4	10 27 . .		
17	l Leonis	11	44 18.68	-0.25	-22.00	27 46 4.42	44.531	+	29.5	55.0	10 43 . .		
18	Moon I, N.	11	2 19.97	-0.27	-21.94	37 35 53.98	48.918	+	43.2	54.5	11 1 57.75	+64.57	+1 13 24.5
19	τ Leonis	11	23 6.47	-0.26	-21.95	35 26 3.95	44.230	+	40.0	54.9	11 22 . .		
20	Jupiter I, S.	5	7 35.68	-0.27	-21.91	37 56 4.15	49.688	+	44.0	54.5	12 7 13.50	+1.38	+0 52 58.8
21	Jupiter II, N.	6	7 38.45	-0.27	-21.91	37 56 4.15	47.550	+	44.0	54.5	12 7 16.27	-1.39	+0 53 39.7
22	η Virginis	11	15 6.36	-0.27	-21.91	38 56 4.52	47.385	+	45.6	54.8	12 14 . .		
23	θ Virginis	11	5 5.33	-0.28	-21.89	43 50 4.40	45.936	+	54.2	54.4	13 4 . .		
24	α Virginis	11	20 14.41	-0.30	-21.83	49 28 3.80	45.615	+	1 6.0	54.8	13 19 . .		
25	α Ursæ Minoris S. P.	7	21 14.57	+0.04	[-21.61]	307 38 2.38	46.200	-	1 12.8	[54.0]	1 20 . .		
26	δ Scorpii	11	54 43.83	-0.34	-21.90	61 10 3.88	43.804	+	1 42.7	55.0	15 54 . .		
27	Uranus C, C.	11	1 41.55	-0.33	-21.82	59 18 3.52	46.089	+	1 35.3	54.5	16 1 19.40		-20 28 42.7
28	α Scorpii	11	23 34.89	-0.35	-21.79	65 2 3.72	44.041	+	2 1.4	53.6	16 23 . .		
29	Saturn I, S.	3	38 56.71	-0.33	-21.81	59 0 3.28	49.488	+	1 34.4	54.5	16 38 34.57	+0.67	-20 11 46.8
30	Saturn II, N.	3	38 58.05	-0.33	-21.81	59 0 3.28	48.528	+	1 34.3	54.5	16 38 35.91	-0.67	-20 11 28.1
31	κ Ophiuchi	11	53 15.35	-0.25	-21.75	29 18 4.80	47.738	+	31.9	53.4	16 52 . .		
May 2, K.													
32	β Leonis	11	44 16.19	-0.24	-21.60	23 41 59.88	46.772	+	25.1	54.7	11 43 . .		
33	Moon I, N.	11	52 17.17	-0.28	-21.65	43 38 1.10	50.619	+	54.4	53.8	11 51 55.23	+65.87	-4 49 27.1
34	α Virginis	11	0 25.65	-0.25	-21.68	29 32 3.00	47.982	+	32.4	52.8	12 0 . .		
35	Jupiter I, S.	6	7 19.10	-0.26	-21.65	37 56 1.85	44.882	+	44.5	53.8	12 6 57.19	+1.45	+0 54 32.0
36	Jupiter II, N.	5	7 22.00	-0.26	-21.65	37 56 1.85	42.720	+	44.5	53.8	12 7 0.09	-1.45	+0 55 13.5
37	η Virginis	11	15 6.08	-0.26	-21.65	38 56 1.85	47.439	+	46.2	53.9	12 14 . .		
38	θ Virginis	11	5 5.10	-0.28	-21.66	43 50 3.00	45.945	+	55.0	54.0	13 4 . .		
39	α Ursæ Minoris S. P.	5	21 15.44	+1.13	[-23.09]	307 38 1.75	46.294	-	1 14.0	[55.1]	1 20 . .		
May 3, La.													
40	Sun I, S.	11	42 25.78	-0.28	-21.44	23 17 57.70	42.920	+	24.5	54.4	2 42 4.06	+66.22	+15 33 36.0
41	Sun II, N.	11	44 38.23	-0.28	-21.44	22 46 6.35	43.052	+	23.9	54.4	2 44 16.51	-66.23	+16 5 21.9
42	Venus I.	6	2 2.83	-0.27	-21.43			+	. . .	. . .	4 1 41.13	+0.34	
43	Venus II, C.	5	2 3.48	-0.27	-21.43	17 48 5.18	42.506	+	18.1	54.4	4 1 41.78	-0.31	+21 3 41.0
44	α Tauri	11	30 26.60	-0.28	-21.42	22 32 1.88	46.631	+	23.4	53.8	4 30 . .		
45	α Orionis	11	50 1.77	-0.30	-21.43	31 28 3.95	43.010	+	34.3	54.5	5 49 . .		
46	α Canis Majoris	11	41 2.01	-0.38	-21.50	55 24 3.15	46.846	+	1 21.2	54.7	6 40 . .		
47	α^2 Geminorum	11	28 29.02	-0.25	-21.36	6 44 3.82	45.951	+	6.7	54.1	7 28 . .		

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
30 10 50	29.898	63.0	63.7	6, 13, 21, 30, 35.	Bisections at I, VII.	6	+	1.2	-	18.7
11 37	29.902	61.8	62.1	7, 14, 20, 29, 36.	Bisections at II, VI.	7	+	1.2	+	21.2
12 20	29.904	60.2	61.1	18, 33.	Bisections at II, III, IV, V, VI.	10	+	0.4	. . .	+0.4
16 8	29.924	58.9	59.9	25.	Bisections at D ₃ , D ₂ , D ₁ .	13	+	0.9	+	11.0
17 0	29.926	58.0	58.2	34.	Bisections at II, VI, VII.	14	+	0.9	-	9.1
1 10 31	29.846	69.8	69.4	39.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ , C ₄ .	18	+	34 45.4	-15 36.3	+19 9.1
12 42	29.842	67.8	65.9	40.	Bisections at I, II.	20	+	1.2	+	21.6
13 33	29.726	61.3	59.7	41.	Bisections at VI, VII.	21	+	1.2	-	19.3
15 47	29.692	60.0	58.4			27	+	0.4	. . .	+0.4
2 11 46	29.720	60.3	56.6			29	+	0.9	+	10.2
12 12	29.714	58.8	55.7			30	+	0.9	-	8.5
13 16	29.710	57.0	53.7			33	+	39 58.4	-15 51.4	+24 7.0
3 2 45	29.800	61.2	59.7			35	+	1.2	+	22.0
4 5	29.786	65.8	64.5			36	+	1.2	-	19.5
4 58	29.776	67.2	65.1			40	+	3.5	+15 52.9	+15 56.4
5 50	29.780	67.9	66.1			41	+	3.4	-15 52.9	-15 49.5
6 45	29.792	67.3	66.3			43	+	1.7	. . .	+1.8

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Canis Minoris . .	11	34 21.03	- 0.31	-21.38	33 22 5.52	43.464	+ 37.1	54.7	7 33 . .	. .		. .
2	β Geminorum . . .	11	39 27.95	- 0.26	-21.32	10 34 5.40	46.950	+ 10.6	54.3	7 39 . .	. .		. .
3	γ Virginis	11	0 25.37	- 0.26	-21.39	29 32 5.90	47.805	+ 32.8	52.2	12 0 . .	. .		. .
4	Jupiter I, N. . . .	6	7 3.22	- 0.28	-21.35	37 54 6.50	44.050	+ 45.1	52.3	12 6 41.59	+ 1.35	+ 0 56 41.3	. .
5	Jupiter II, S. . . .	5	7 5.92	- 0.28	-21.35	37 54 6.50	46.078	+ 45.1	52.3	12 6 44.29	- 1.35	+ 0 56 2.3	. .
6	η Virginis	11	15 5.76	- 0.28	-21.31	38 56 6.62	47.005	+ 46.8	52.4	12 14 . .	. .		. .
May 8, S.													
7	γ^2 Sagittarii . . .	11	59 41.24	- 0.24	-22.01	69 14 4.75	45.238	+ 2 34.1	48.4	17 59 . .	. .		. .
8	Moon II, S. . . .	11	7 49.43	- 0.22	-21.98	65 2 5.18	45.149	+ 2 5.8	49.1	18 7 27.23	-76.33	- 26 13 2.3	. .
9	η Serpentis	11	16 26.86	- 0.10	-21.87	41 46 5.58	44.589	+ 52.5	49.5	18 16 . .	. .		. .
10	α Aquilæ	11	30 4.49	- 0.12	-21.94	47 8 5.02	48.304	+ 1 3.4	49.4	18 29 . .	. .		. .
11	δ Sagittarii	11	49 22.08	- 0.21	-22.09	65 14 5.30	46.131	+ 2 7.1	49.1	18 48 . .	. .		. .
12	51 H. Cephei s. p. .	6	53 9.88	- 2.63	[-18.85]	306 6 3.48	42.631	- 1 20.2	[50.1]	6 52 . .	. .		. .
May 8, Br.													
13	α Andromedæ . . .	11	3 29.75	- 0.03	-21.94	10 26 3.18	42.845	+ 10.5	49.5	0 3 . .	. .		. .
14	β Pegasi	11	8 22.05	- 0.07	-21.96	24 14 5.08	43.836	+ 25.9	50.1	0 8 . .	. .		. .
15	γ Andromedæ . . .	11	4 23.81	- 0.01	-21.95	3 46 3.82	45.838	+ 3.8	51.3	1 4 . .	. .		. .
16	α Ursæ Minoris . .	5	21 19.18	+ 4.70	[-26.32]	310 6 2.20	46.332	- 1 7.6	[50.2]	1 20 . .	. .		. .
17	β Arietis	11	49 23.07	- 0.06	-21.99	18 32 3.32	45.581	+ 19.2	50.7	1 49 . .	. .		. .
18	α Arietis	11	1 48.12	- 0.05	-21.98	15 52 4.55	44.904	+ 16.3	50.6	2 1 . .	. .		. .
May 9, Br.													
19	Sun I, S. . . .	11	5 37.54	- 0.06	-22.00	21 36 4.30	48.322	+ 22.6	51.1	3 5 15.48	+66.72	+ 17 13 44.4	. .
20	Sun II, N. . . .	11	7 50.98	- 0.06	-22.00	21 4 4.60	48.898	+ 22.0	51.1	3 7 28.92	-66.72	+ 17 45 30.1	. .
21	Venus I, N. . . .	6	33 0.80	- 0.05	-22.03	16 16 4.12	45.272	+ 16.6	51.6	4 32 38.72	+ 0.41	+ 22 34 47.7	. .
22	Venus II, S. . . .	5	33 1.56	- 0.05	-22.03	16 16 4.12	45.875	+ 16.6	51.6	4 32 39.48	- 0.35	+ 22 34 36.3	. .
23	α Aurigæ	10	50 44.05	- 0.01	-22.01	5 50 3.40	47.185	+ 5.9	52.0	4 50 . .	. .		. .
24	β Orionis	11	10 1.03	- 0.15	-22.07	47 10 3.80	42.934	+ 1 0.9	52.1	5 9 . .	. .		. .
25	β Tauri	11	20 13.87	- 0.03	-22.11	10 20 3.58	43.815	+ 10.3	50.8	5 19 . .	. .		. .
26	δ Orionis	11	27 10.75	- 0.12	-22.06	39 12 5.08	47.739	+ 46.0	52.2	5 26 . .	. .		. .
27	ϵ Orionis	11	31 25.17	- 0.12	-21.94	40 6 4.48	46.284	+ 47.5	52.2	5 31 . .	. .		. .
28	ν Leonis	11	32 8.56	- 0.19	-22.11	39 6 7.75	45.835	+ 46.5	52.0	11 31 . .	. .		. .
29	β Leonis	11	44 16.52	- 0.17	-22.06	23 46 6.35	46.238	+ 25.2	51.6	11 43 . .	. .		. .
30	α Virginis	11	0 25.98	- 0.17	-22.14	29 32 6.28	47.771	+ 32.6	52.3	12 0 . .	. .		. .
31	Jupiter I, N. . . .	6	5 42.03	- 0.18	-22.10	37 46 6.55	45.652	+ 44.5	52.3	12 5 19.75	+ 1.31	+ 1 4 11.1	. .
32	Jupiter II, S. . . .	5	5 44.66	- 0.18	-22.10	37 46 6.55	47.758	+ 44.5	52.3	12 5 22.38	- 1.32	+ 1 3 30.7	. .
33	η Virginis	11	15 6.39	- 0.19	-22.08	38 56 6.25	47.100	+ 46.4	52.3	12 14 . .	. .		. .
34	α Ursæ Minoris s. p.	4	21 20.62	+ 1.43	[-24.17]	307 38 4.30	45.882	- 1 14.3	[52.4]	1 20 . .	. .		. .
35	ζ Virginis	11	29 55.12	- 0.19	-22.09	38 54 6.42	48.598	+ 46.6	53.5	13 29 . .	. .		. .
36	δ Scorpii	10	54 44.17	- 0.24	-22.21	61 10 6.15	43.419	+ 1 44.8	51.8	15 54 . .	. .		. .
37	Uranus C, C. . . .	11	0 23.26	- 0.23	-22.10	59 14 5.05	46.891	+ 1 37.0	51.1	16 0 0.93	. .	- 20 25 4.7	. .
38	δ Ophiuchi	11	9 25.43	- 0.19	-21.92	42 16 5.78	46.241	+ 52.6	51.8	16 9 . .	. .		. .
39	α Scorpii	11	23 35.32	- 0.25	-22.16	65 2 5.65	43.649	+ 2 4.0	50.3	16 23 . .	. .		. .
40	ζ Ophiuchi	11	31 58.25	- 0.21	-22.13	49 12 5.58	44.502	+ 1 7.1	51.1	16 31 . .	. .		. .
41	Saturn I, N. . . .	6	36 49.45	- 0.23	-22.10	58 55 58.60	47.085	+ 1 36.1	51.1	16 36 27.12	+ 0.68	- 20 7 1.0	. .
42	Saturn II, S. . . .	5	36 50.82	- 0.23	-22.10	58 55 58.60	48.140	+ 1 36.1	51.1	16 36 28.49	- 0.69	- 20 7 21.4	. .
43	η Serpentis	11	16 27.19	- 0.19	-22.09	41 46 5.80	44.689	+ 52.1	51.6	18 16 . .	. .		. .
44	α Aquilæ	11	30 4.73	- 0.20	-22.08	47 8 5.20	48.365	+ 1 2.9	50.3	18 29 . .	. .		. .
45	δ Sagittarii	11	49 22.24	- 0.25	-22.18	65 14 5.85	46.190	+ 2 6.1	49.9	18 48 . .	. .		. .
46	ζ Aquilæ	11	1 8.05	- 0.17	-21.96	25 8 6.28	45.338	+ 27.4	51.9	19 0 . .	. .		. .
47	Moon II, N. . . .	11	13 58.61	- 0.25	-22.07	62 6 5.85	43.883	+ 1 50.0	51.1	19 13 36.29	-74.16	- 23 16 20.9	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
3 7 52	29.798	65.2	63.6	2.	Bisections at II, VI, VII.	4	+ 1.2	- 19.5	.	- 18.3
11 53	29.846	54.0	51.6	4, 22, 32, 42.	Bisections at II, VI.	5	+ 1.2	+ 19.5	.	+ 20.7
13 4	29.878	54.3	52.0	5, 21, 31, 41.	Bisections at I, VII.	8	+54 44.0	+16 30.7	.	+71 14.7
17 54	29.638	42.2	40.9	6, 20.	Bisections at VI, VII.	19	+ 3.2	+15 52.8	.	+15 56.0
19 6	29.638	41.7	40.1	8, 47.	Bisections at II, III, IV, V, VI.	20	+ 3.1	-15 52.8	.	-15 49.7
23 53	29.762	53.7	53.0	12.	Bisections at C ₁ , C ₂ , C ₃ .	21	+ 1.5	- 5.7	0.0	- 4.2
1 15	29.796	57.0	55.9	16, 34.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	22	+ 1.5	+ 5.7	.	+ 7.2
2 7	29.792	57.7	56.5	19.	Bisections at I, II.	31	+ 1.2	- 20.2	.	- 19.0
4 34	29.778	62.5	61.3			32	+ 1.2	+ 20.2	.	+ 21.4
5 36	29.770	64.8	63.3			37	+ 0.4	.	.	+ 0.4
11 28	29.772	58.5	56.7			41	+ 0.9	- 10.2	.	- 9.3
12 22	29.774	55.5	53.9			42	+ 0.9	+ 10.2	.	+ 11.1
13 34	29.780	53.5	52.1			47	+52 54.8	-16 22.8	.	+36 32.0
15 49	29.784	52.2	51.0							
16 43	29.792	51.0	49.5							
18 9	29.792	49.5	47.2							
19 19	29.794	48.5	46.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
May 9, L.													
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Andromedæ . . .	11	3 29.98	- 0.23	-21.94	10 20 2.82	42.920	+	10.4	50.6	0 3 . .	. .	. .
2	γ Pegasi . . .	11	8 22.29	- 0.24	-22.00	24 14 4.30	43.951	+	25.6	51.3	0 8 . .	. .	. .
3	β Andromedæ . . .	11	4 24.07	- 0.24	-21.96	3 46 4.08	45.840	+	3.8	51.6	1 4 . .	. .	. .
4	α Ursæ Minoris . . .	8	21 23.54	- 3.44	[-21.92]	310 6 1.28	46.485	- 1	6.6	[53.1]	1 20 . .	. .	. .
5	α Arietis . . .	9	1 48.33	- 0.24	-21.98	15 52 . .	. .	. .	. .	. .	2 1 . .	. .	. .
May 10, L.													
6	Sun I, S. . . .	11	9 31.78	- 0.24	-22.02	21 22 6.85	43.060	+	21.8	52.9	3 9 9.52	+66.78	+ 17 29 25.4
7	Sun II, N. . . .	11	11 45.33	- 0.24	-22.02	20 50 7.58	43.758	+	21.2	52.9	3 11 23.07	-66.77	+ 18 1 8.3
8	α Tauri . . .	11	30 27.17	- 0.24	-22.03	22 32 4.02	46.550	+	23.0	54.1	4 30 . .	. .	. .
9	Venus I, C. . . .	6	38 14.00	- 0.24	-22.05	16 4 2.48	42.704	+	15.9	53.8	4 37 51.71	+ 0.37	+ 22 47 41.5
10	Venus II. . . .	5	38 14.70	- 0.24	-22.05	. .	. .	. .	. .	. .	4 37 52.41	- 0.33	. .
11	ι Aurigæ . . .	11	50 44.30	- 0.24	-22.03	5 50 1.92	47.379	+	5.7	54.0	4 50 . .	. .	. .
12	β Orionis . . .	11	10 1.17	- 0.26	-22.10	47 10 2.65	43.189	+	59.5	54.6	5 9 . .	. .	. .
13	β Tauri . . .	11	20 13.98	- 0.24	-22.01	10 20 3.08	43.995	+	10.1	53.5	5 19 . .	. .	. .
14	β Leonis. . . .	11	44 16.73	- 0.21	-22.24	23 42 5.05	46.480	+	24.9	54.8	11 43 . .	. .	. .
15	σ Virginis . . .	11	0 26.09	- 0.22	-22.21	29 32 5.30	47.934	+	32.1	54.0	12 0 . .	. .	. .
16	Jupiter I, S. . . .	6	5 30.73	- 0.23	-22.22	37 46 5.25	44.852	+	43.9	54.5	12 5 8.31	+ 1.39	+ 1 4 30.5
17	Jupiter II, N. . . .	5	5 33.54	- 0.23	-22.22	37 46 5.25	42.770	+	43.8	54.5	12 5 11.09	- 1.39	+ 1 5 10.5
18	η Virginis . . .	11	15 6.53	- 0.23	-22.18	38 56 5.70	47.295	+	45.8	54.9	12 14 . .	. .	. .
19	θ Virginis . . .	11	5 5.65	- 0.24	-22.25	43 50 5.38	45.884	+	54.5	54.9	13 4 . .	. .	. .
20	α Ursæ Minoris S. P. . . .	7	21 17.28	+ 2.18	[-20.99]	307 38 3.45	46.015	- 1	13.2	[55.4]	1 20 . .	. .	. .
21	δ Scorpii . . .	11	54 44.42	- 0.27	-22.41	61 10 4.55	43.750	+	1 43.5	55.1	15 54 . .	. .	. .
22	Uranus C, C. . . .	11	0 13.55	- 0.26	-22.37	59 14 4.70	45.665	+	1 35.8	54.5	15 59 50.92	. .	- 20 24 36.2
23	δ Ophiuchi . . .	11	9 25.92	- 0.23	-22.36	42 16 5.90	46.419	+	51.9	54.8	16 9 . .	. .	. .
24	ζ Ophiuchi . . .	11	31 58.53	- 0.24	-22.36	49 12 5.10	44.744	+	1 6.1	54.3	16 31 . .	. .	. .
25	Saturn I, S. . . .	6	36 33.05	- 0.26	-22.36	58 56 4.65	46.340	+	1 34.6	54.5	16 36 10.43	+ 0.61	- 20 6 46.1
26	Saturn I, N. . . .	5	36 34.26	- 0.26	-22.36	58 56 4.65	45.185	+	1 34.6	54.5	16 36 11.64	- 0.60	- 20 6 24.7
27	λ Ursæ Minoris . . .	4	24 56.38	- 2.87	[-15.76]	309 54 5.28	43.569	- 1	8.3	[55.2]	19 24 . .	. .	. .
28	α Aquilæ . . .	11	46 13.38	- 0.22	-22.26	30 14 5.38	47.416	+	33.5	54.3	19 45 . .	. .	. .
29	Moon II, N. . . .	11	15 42.99	- 0.27	-22.22	58 10 4.88	47.382	+	1 32.4	54.5	20 15 20.50	-71.28	- 19 21 6.1
30	ϵ Delphini. . . .	11	28 45.05	- 0.22	-22.19	27 54 5.58	42.846	+	30.4	52.7	20 28 . .	. .	. .
May 11, S.													
31	β Leonis. . . .	11	44 16.66	- 0.18	-22.21	23 42 4.68	46.528	+	24.9	55.4	11 43 . .	. .	. .
32	σ Virginis . . .	8	0 26.22	- 0.19	-22.37	29 32 4.85	48.155	+	32.1	56.3	12 0 . .	. .	. .
33	δ Scorpii . . .	11	54 44.43	- 0.26	-22.42	61 10 4.50	43.808	+	1 43.0	55.7	15 54 . .	. .	. .
34	Uranus C, C. . . .	11	0 3.25	- 0.26	-22.36	59 14 4.10	44.238	+	1 35.3	55.3	15 59 40.63	. .	- 20 24 7.0
35	α Scorpii . . .	11	23 35.62	- 0.27	-22.40	65 2 3.98	44.098	+	2 1.7	54.8	16 23 . .	. .	. .
36	Saturn I, S. . . .	5	36 15.86	- 0.25	-22.37	58 56 3.45	44.398	+	1 34.3	55.3	16 35 53.24	+ 0.68	- 20 6 8.5
37	Saturn II, N. . . .	6	36 17.23	- 0.25	-22.37	58 56 3.45	43.450	+	1 34.3	55.3	16 35 54.61	- 0.69	- 20 5 50.1
38	κ Ophiuchi . . .	11	53 16.00	- 0.19	-22.27	29 18 5.10	47.704	+	32.0	54.6	16 52 . .	. .	. .
39	θ Ophiuchi . . .	11	20 34.76	- 0.27	-22.40	62 54 4.88	46.212	+	1 51.0	55.6	17 20 . .	. .	. .
40	δ Ursæ Minoris . . .	8	5 40.29	- 0.37	[-23.42]	312 16 3.50	44.234	- 1	2.4	[56.1]	18 5 . .	. .	. .
41	α^2 Capricorni . . .	11	12 48.91	- 0.23	-22.22	51 42 4.02	43.811	+	1 12.3	55.4	20 12 . .	. .	. .
42	π Capricorni . . .	11	21 54.29	- 0.25	-22.28	57 22 4.18	46.285	+	1 29.1	56.1	20 21 . .	. .	. .
43	Moon II, N. . . .	11	12 43.45	- 0.25	-22.22	53 12 3.92	44.405	+	1 16.2	55.3	21 12 20.98	-68.46	- 14 21 51.1
44	β Aquarii . . .	11	26 36.01	- 0.22	-22.24	44 52 4.68	43.056	+	56.8	55.5	21 26 . .	. .	. .
45	ϵ Pegasi . . .	11	39 34.85	- 0.19	-22.19	29 26 5.38	45.612	+	32.2	53.6	21 39 . .	. .	. .
May 11, L.													
46	α Ursæ Minoris . . .	4	21 22.65	- 2.08	[-21.28]	310 6 . .	. .	. .	. .	. .	1 20 . .	. .	. .

Time.		Baroni.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' ''	' ''	' ''	' ''
9	0 6	29.854	60.9	61.6	4, 20, 40.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	6	+	3.2	+15 51.4	+15 54.6
10	1 25	29.858	65.1	65.2	6, 39.	Bisections at I, II.	7	+	3.1	-15 51.4	-15 48.3
	3 12	29.848	69.6	71.1	7, 45.	Bisections at VI, VII.	9	+	1.6	. .	+ 1.7
	4 34	29.826	73.0	74.1	16, 37.	Bisections at I, VII.	16	+	1.2	+ 20.0	+ 21.2
	5 13	29.820	75.3	75.1	17, 36.	Bisections at II, VI.	17	+	1.2	- 20.0	- 18.8
11	11 49	29.776	64.1	61.8	25, 32.	Bisection at I.	22	+	0.4	. .	+ 0.4
	13 16	29.758	61.5	59.3	26.	Bisection at II.	25	+	0.9	+ 10.7	+ 11.6
	16 4	29.732	58.5	56.1	27.	Bisections at C ₃ , C ₅ , D ₁ , D ₂ .	26	+	0.9	- 10.7	- 9.8
	16 45	29.728	58.5	56.7	29, 43.	Bisections at II, III, IV, V, VI.	29	+50	19.0	-16 12.2	+34 6.8
	19 37	29.736	56.8	53.9			34	+	0.4	. .	+ 0.4
	20 36	29.748	55.8	53.8			36	+	0.9	+ 9.2	+ 10.1
	21 47	29.756	63.0	61.9			37	+	0.9	- 9.2	- 8.3
	16 16	29.718	59.5	57.9			43	+46	49.6	-16 0.4	+30 49.2
	17 25	29.700	58.4	56.9							
	18 11	29.690	57.9	56.1							
	20 8	29.710	57.0	55.4							
	21 18	29.724	57.1	56.3							
	21 47	29.729	58.1	57.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	α Arietis May 12, L.	11	m s I 48.68	— 0.20	—22.34	° ' " / 15 52 1.82	rev. 45.302	+ 15.8	55.0	h m s 2 1 . .	s	° ' " / .	..
2	Sun I, N.	11	17 21.72	— 0.20	—22.36	20 18 3.50	49.078	+ 20.4	56.9	3 16 59.16	+67.02	+ 18 31 38.7	..
3	Sun S.					20 50 3.02	47.900	+ 21.0	56.9	3 19 . .		+ 17 59 57.7	..
4	α Tauri	4	30 27.54	— 0.20	—22.44	22 32 5.62	46.588	+ 22.8	57.6	4 30 . .			..
5	Venus I, C.	6	48 42.53	— 0.20	—22.39	15 40 2.78	42.622	+ 15.4	56.9	4 48 19.94	+ 0.44	+ 23 11 46.4	..
6	Venus II	5	48 43.34	— 0.20	—22.39					4 48 20.75	— 0.37		..
7	γ Aurigæ	11	50 44.60	— 0.19	—22.38	5 50 28.05	46.190	+ 5.7	57.1	4 50 . .			..
8	β Orionis	11	10 1.44	— 0.23	—22.40	47 10 2.90	43.398	+ 58.9	58.5	5 9 . .			..
9	β Tauri	6	20 14.27	— 0.19	—22.35	10 20 3.38	44.048	+ 10.0	56.0	5 19 . .			..
10	δ Orionis	11	27 11.20	— 0.22	—22.41	39 12 4.28	48.106	+ 44.5	57.2	5 26 . .			..
11	δ Scorpii	11	54 44.87	— 0.35	—22.75	61 10 4.80	43.827	+ 1 42.8	56.8	15 54 . .			..
12	Uranus C, C.	11	59 53.37	— 0.34	—22.56	59 14 4.22	42.811	+ 1 35.0	56.7	15 59 30.47		— 20 23 38.0	..
13	δ Ophiuchi	11	9 26.17	— 0.29	—22.52	42 16 5.40	46.578	+ 51.5	57.1	16 9 . .			..
14	α Scorpii	11	23 35.87	— 0.36	—22.54	65 1 58.50	44.515	+ 2 1.3	56.8	16 23 . .			..
15	ζ Ophiuchi	11	31 58.73	— 0.31	—22.45	49 12 5.40	44.844	+ 1 5.6	56.1	16 31 . .			..
16	Saturn I, S.	5	35 59.02	— 0.34	—22.57	58 56 3.50	42.680	+ 1 33.8	56.7	16 35 36.11	+ 0.69	— 20 5 33.5	..
17	Saturn II, N. May 12, K.	6	36 0.40	— 0.34	—22.57	58 56 3.50	41.545	+ 1 33.8	56.7	16 35 37.49	— 0.69	— 20 5 13.1	..
18	β Andromedæ	11	4 24.51	— 0.19	—22.37	3 46 3.35	46.148	+ 3.8	56.7	1 4 . .			..
19	α Ursæ Minoris May 13, K.	8	21 24.15	+ 0.80	[—25.13]	3 10 6 2.50	46.578	— 1 6.4	[56.0]	1 20 . .			..
20	Sun I, S.	11	21 17.45	— 0.22	—22.33	20 36 5.28	45.402	+ 21.0	57.0	3 20 54.90	+67.02	+ 18 14 46.9	..
21	Sun II, N.	11	23 31.49	— 0.22	—22.33	20 4 1.12	46.518	+ 20.5	57.0	3 23 8.94	—67.02	+ 18 46 26.7	..
22	α Tauri	11	30 27.46	— 0.23	—22.32	22 32 1.95	46.725	+ 23.1	57.0	4 30 . .			..
23	γ Aurigæ	11	50 44.63	— 0.20	—22.40	5 50 1.45	47.588	+ 5.8	57.3	4 50 . .			..
24	Venus I, C.	6	53 57.93	— 0.21	—22.36	15 28 1.80	45.511	+ 15.4	57.0	4 53 35.36	+ 0.42	+ 23 22 52.1	..
25	Venus II	5	53 58.70	— 0.21	—22.36					4 53 36.13	— 0.35		..
26	β Tauri	11	20 14.29	— 0.20	—22.36	10 20 0.02	44.362	+ 10.2	56.9	5 19 . .			..
27	δ Orionis	6	27 11.12	— 0.26	—22.29	39 12 2.85	48.052	+ 45.3	57.1	5 26 . .			..
28	γ Virginis	11	0 26.42	— 0.21	—22.57	29 32 3.35	48.091	+ 31.9	55.1	12 0 . .			..
29	Jupiter I, S.	6	5 0.37	— 0.22	—22.54	37 42 2.35	49.438	+ 43.5	55.4	12 4 37.61	+ 1.36	+ 1 7 6.8	..
30	Jupiter II, N.	5	5 3.10	— 0.22	—22.54	37 42 2.35	47.395	+ 43.5	55.4	12 4 40.34	— 1.37	+ 1 7 45.9	..
31	η Virginis	11	15 6.85	— 0.22	—22.53	38 56 2.45	47.516	+ 45.6	55.9	12 14 . .			..
32	θ Virginis	11	5 5.96	— 0.23	—22.58	43 50 3.30	46.110	+ 54.3	57.0	13 4 . .			..
33	α Virginis	11	20 15.03	— 0.24	—22.52	49 28 0.18	45.798	+ 1 6.1	56.2	13 19 . .			..
34	α Ursæ Minoris S. P.	4	21 21.20	+ 0.50	[—21.61]	307 38 1.28	46.254	— 1 12.9	[57.3]	1 21 . .			..
35	δ Scorpii	11	54 44.71	— 0.28	—22.65	61 10 4.62	43.746	+ 1 43.6	55.1	15 54 . .			..
36	Uranus C, C.	11	59 43.19	— 0.27	—22.61	59 12 1.52	47.609	+ 1 35.8	55.4	15 59 20.31		— 20 23 9.4	..
37	δ Ophiuchi	11	9 26.21	— 0.23	—22.61	42 16 2.08	46.599	+ 52.1	54.9	16 9 . .			..
38	β Herculis	11	26 15.97	— 0.19	—22.56	17 8 0.98	44.532	+ 17.7	53.8	16 25 . .			..
39	ζ Ophiuchi	8	31 58.88	— 0.24	—22.66	49 12 3.62	44.831	+ 1 6.4	55.0	16 31 . .			..
40	Saturn I, S.	6	35 41.67	— 0.27	—22.62	58 54 3.55	46.928	+ 1 35.0	55.4	16 35 18.78	+ 0.70	— 20 4 57.5	..
41	Saturn II, N.	5	35 43.06	— 0.27	—22.62	58 54 3.55	45.940	+ 1 35.0	55.4	16 35 20.17	— 0.69	— 20 4 38.7	..
42	η Aquarii	11	30 31.45	— 0.22	—22.53	39 28 5.32	47.740	+ 47.1	55.0	22 30 . .			..
43	ζ Pegasi	11	36 46.83	— 0.20	—22.49	28 32 2.88	47.299	+ 31.1	54.7	22 36 . .			..
44	λ Aquarii	11	47 42.21	— 0.24	—22.61	46 58 3.05	43.058	+ 1 1.2	55.1	22 47 . .			..
45	Moon II, N.	11	55 51.89	— 0.23	—22.54	41 42 3.10	43.393	+ 50.8	55.0	22 55 29.12	—64.64	— 2 51 5.8	..
46	α Pegasi	11	0 4.98	— 0.20	—22.53	24 12 2.80	43.099	+ 25.1	55.2	22 59 . .			..

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
11	2	4	29.714	70.6	71.6	2, 20.	Bisections at I, II.	2	+	3.0	—15 50.5	—15 47.5
12	3	18	29.694	73.9	74.9	3, 4, 9, 21, 22, 27, 33, 42, 44.	Bisections at VI, VII.	3	+	3.1	+15 50.4	+15 53.5
	4	56	29.668	77.7	76.6			5	+	1.5	+	1.6
	5	22	29.650	78.5	77.8			12	+	0.4	+	0.4
16	1		29.734	62.3	59.9	11.	Bisections at II, VI, VII.	16	+	0.9	+ 10.2	+ 11.1
16	51		29.720	61.1	59.7	16, 29, 40.	Bisections at I, VII.	17	+	0.9	— 10.2	— 9.3
1	6		29.786	66.0	64.8	17.	Bisection at VI.	20	+	3.1	+15 49.9	+15 53.0
13	3	24	29.790	69.8	68.9	19.	Bisections at B ₁ , B ₂ , B ₃ , C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	21	+	3.0	—15 49.8	—15 46.8
4	32		29.774	71.2	69.9	26, 38.	Bisections at I, II, VI.	24	+	1.5	+	1.6
5	25		29.776	73.8	71.4	30, 41.	Bisections at II, VI.	29	+	1.2	+ 19.5	+ 20.7
11	58		29.778	65.6	65.8	34.	Bisections at D ₁ , D ₂ , D ₃ , C ₅ .	30	+	1.2	— 19.6	— 18.4
12	17		29.780	63.7	62.5	45.	Bisections at II, III, IV, V, VI.	36	+	0.4	+	0.4
13	22		29.780	62.6	62.2			40	+	0.9	+ 9.4	+ 10.3
15	53		29.784	58.2	56.6			41	+	0.9	— 9.4	— 8.5
16	37		29.774	56.2	54.4			45	+37	54.4	—15 36.8	+22 17.6
22	32		29.840	59.2	57.4							
23	2		29.848	60.5	58.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
	May 13, Po.		m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Andromedæ . . .	11	3 30.64	- 0.25	-22.47	10 20 3.30	43.101	+ 10.4	54.7	0 3 . .	. .		. .
2	γ Pegasi	6	8 22.88	- 0.28	-22.45	24 14 4.65	44.068	+ 25.5	54.7	0 8 . .	. .		. .
3	β Andromedæ . . .	11	4 24.67	- 0.24	-22.46	3 46 3.00	46.075	+ 3.8	55.0	1 4 . .	. .		. .
4	α Ursæ Minoris . .	10	21 22.36	- 0.47	[-21.52]	310 6 1.00	46.719	- 1 6.6	[56.3]	1 21 . .	. .		. .
	May 14, Po.												
5	Sun I, N.	11	25 13.80	- 0.27	-22.46	19 50 5.60	44.895	+ 20.2	56.1	3 24 51.07	+67.17	+ 19 0 56.2	. .
6	Sun II, S.	11	27 28.15	- 0.27	-22.46	20 22 3.02	43.870	+ 20.8	56.1	3 27 5.42	-67.18	+ 18 29 14.4	. .
7	α Tauri	11	30 27.70	- 0.27	-22.52	22 32 4.30	46.616	+ 23.2	55.9	4 30 . .	. .		. .
8	Venus I, C.	6	59 13.93	- 0.26	-22.47	15 18 2.80	44.161	+ 15.3	56.8	4 58 51.20	+ 0.46	+ 23 33 16.9	. .
9	Venus II	5	59 14.78	- 0.26	-22.47					4 58 52.05	- 0.39		. .
10	ϵ Orionis	5	31 25.87	- 0.31	-22.47	40 6 3.70	46.568	+ 46.8	56.6	5 31 . .	. .		. .
11	α Orionis	9	50 2.69	- 0.29	-22.41	31 28 4.98	43.210	+ 34.0	58.2	5 49 . .	. .		. .
	May 15, K.												
12	α Ursæ Minoris . .	5	21 24.40	- 1.84	[-20.98]	310 6 2.68	46.618	- 1 6.0	[56.2]	1 21 . .	. .		. .
13	β Arietis	11	49 24.02	- 0.29	-22.57	18 32 3.98	45.805	+ 18.7	55.9	1 49 . .	. .		. .
14	α Arietis	11	1 49.05	- 0.28	-22.55	15 52 3.40	45.295	+ 15.9	56.7	2 1 . .	. .		. .
15	Mercury II, C. . .	10	18 31.09	- 0.30	-22.55	28 16 2.48	42.706	+ 29.8	57.0	2 18 8.24	- 0.35	+ 10 35 31.0	. .
	May 16, K.												
16	Sun I, N.	11	33 8.44	- 0.29	-22.53	19 22 1.42	45.222	+ 19.4	57.0	3 32 45.62	+67.26	+ 19 28 55.8	. .
17	Sun II, S.	11	35 22.97	- 0.29	-22.53	19 54 2.48	43.792	+ 19.9	57.0	3 35 0.15	-67.27	+ 18 57 18.2	. .
18	α Aurigæ	9	9 33.08	- 0.34	-22.44	352 58 7.30	43.428	- 6.7	56.5	5 9 . .	. .		. .
19	β Tauri	11	20 14.53	- 0.28	-22.53	10 20 3.95	44.164	+ 10.0	57.2	5 19 . .	. .		. .
20	α Orionis	11	50 2.82	- 0.30	-22.53	31 28 5.65	43.155	+ 33.3	58.6	5 49 . .	. .		. .
	May 16, L.												
21	δ Scorpii	11	54 45.15	- 0.39	-22.93	61 10 4.62	43.904	+ 1 42.1	56.6	15 54 . .	. .		. .
22	Uranus C, C. . . .	11	59 12.65	- 0.38	-22.87	59 12 4.28	43.054	+ 1 34.3	56.5	15 58 49.40	. .	20 21 42.2	. .
23	δ Ophiuchi	11	9 26.63	- 0.33	-22.88	42 16 5.38	46.562	+ 51.3	57.0	16 9 . .	. .		. .
24	α Scorpii	11	23 36.34	- 0.40	-22.91	65 1 53.82	44.740	+ 2 0.7	56.3	16 23 . .	. .		. .
25	ζ Ophiuchi	11	31 59.31	- 0.35	-22.93	49 12 4.45	44.890	+ 1 5.4	56.0	16 31 . .	. .		. .
26	Saturn I, N.	6	34 48.90	- 0.38	-22.90	58 52 3.58	46.730	+ 1 33.3	56.5	16 34 25.62	+ 0.70	- 20 2 51.0	. .
27	Saturn II, S. . . .	5	34 50.30	- 0.38	-22.90	58 52 3.58	47.762	+ 1 33.3	56.5	16 34 27.02	- 0.70	- 20 3 10.9	. .
28	κ Ophiuchi	11	53 16.72	- 0.31	-22.79	29 18 6.30	47.695	+ 31.8	56.4	16 52 . .	. .		. .
	May 16, La.												
29	β Andromedæ . . .	11	4 24.95	- 0.24	-22.65	3 46 3.02	46.169	+ 3.8	56.8	1 4 . .	. .		. .
30	α Ursæ Minoris . .	8	21 23.65	+ 0.14	[-21.50]	310 6 2.48	46.573	- 1 6.6	[56.1]	1 21 . .	. .		. .
31	β Arietis	11	49 24.12	- 0.27	-22.67	18 32 5.22	45.771	+ 18.9	56.3	1 49 . .	. .		. .
32	α Arietis	11	1 49.22	- 0.27	-22.71	15 52 5.42	45.176	+ 16.0	56.5	2 1 . .	. .		. .
33	Mercury II, C. . .	11	19 27.23	- 0.29	-22.67	28 18 4.88	46.418	+ 30.3	56.6	2 19 4.27	- 0.35	+ 10 32 16.4	. .
34	α Ceti	11	57 20.59	- 0.31	-22.66	35 10 3.28	42.210	+ 39.5	56.4	2 56 . .	. .		. .
	May 17, La.												
35	Sun I, N.	11	37 6.62	- 0.27	-22.68	19 8 5.25	46.430	+ 19.5	56.6	3 36 43.67	+67.34	+ 19 42 28.3	. .
36	Sun II, S.	11	39 21.30	- 0.27	-22.68	19 40 1.22	45.275	+ 20.1	56.6	3 38 58.35	-67.34	+ 19 10 50.4	. .
37	α Tauri	11	30 27.89	- 0.28	-22.68	22 32 4.32	46.682	+ 23.3	57.3	4 30 . .	. .		. .
38	β Orionis	11	10 1.82	- 0.35	-22.67	47 10 4.18	43.159	+ 1 0.2	57.2	5 9 . .	. .		. .
39	Venus I, C.	5	15 6.18	- 0.26	-22.69	14 50 3.60	46.839	+ 14.9	56.6	5 14 43.23	+ 0.46	+ 24 0 24.9	. .
40	Venus II	6	15 7.02	- 0.26	-22.69					5 14 44.07	- 0.38		. .
41	β Tauri	11	20 14.72	- 0.25	-22.75	10 20 4.28	44.069	+ 10.2	55.9	5 19 . .	. .		. .
42	ϵ Orionis	11	31 26.05	- 0.32	-22.64	40 6 4.90	46.469	+ 47.0	56.5	5 31 . .	. .		. .
43	β Leonis	11	44 17.26	- 0.20	-22.85	23 42 1.28	46.704	+ 24.8	55.8	11 43 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
13 0 12	29.876	65.0	63.1	2, 13, 24.	Bisections at II, VI, VII.	5	+ 2.9	-15 50.9	. .	-15 48.0
1 36	29.896	68.6	66.0	4.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	6	+ 3.0	+15 50.8	. .	+15 53.8
14 3 27	29.868	71.2	68.7	5, 11, 16, 35.	Bisections at I, II.	8	+ 1.5		+ 0.1	+ 1.6
5 5	29.850	73.5	71.1	6, 17, 18, 36.	Bisections at VI, VII.	15	+ 6.5		- 1.4	+ 5.1
6 58	29.832	74.0	72.9	12.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	16	+ 2.9	-15 48.7	. .	-15 45.8
15 1 27	29.792	69.0	68.6	26.	Bisections at I, VII.	17	+ 3.0	+15 48.8	. .	+15 51.8
1 51	29.790	70.5	70.0	27.	Bisections at II, VI.	22	+ 0.4		. .	+ 0.4
2 21	29.780	72.2	71.8	30.	Bisections at C ₄ , C ₅ , D ₁ , D ₂ , D ₃ .	26	+ 0.9	- 9.9	. .	- 9.0
3 35	29.744	75.5	75.8			27	+ 0.9	+ 10.0	. .	+ 10.9
5 22	29.700	79.6	78.7			33	+ 6.4		- 1.4	+ 5.0
5 52	29.666	81.2	79.7			35	+ 2.8	-15 48.9	. .	-15 46.1
16 2	29.706	64.5	62.5			36	+ 2.9	+15 48.9	. .	+15 51.8
16 57	29.712	63.1	60.9			39	+ 1.5		+ 0.1	+ 1.6
0 50	29.826	66.0	63.8							
1 35	29.832	66.8	64.7							
2 5	29.834	67.9	64.9							
3 0	29.832	68.2	66.7							
3 39	29.830	68.0	67.0							
4 27	29.820	68.8	67.5							
4 58	29.818	69.0	68.3							
5 35	29.812	70.6	69.1							
11 50	29.850	64.6	63.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.			
			m	s	s	s									°	'	''
1	o Virginis	11	0	26.66	— 0.21	—22.84	29 32 . . .				12 0 . . .						
2	Jupiter I, N.	6	4	28.67	— 0.24	—22.82	37 40 4.65	45.850	+	43.7	55.6	12 4 5.61	+ 1.41	+ 1 10 13.3			
3	Jupiter II, S.	5	4	31.48	— 0.24	—22.82	37 40 4.65	47.968	+	43.7	55.6	12 4 8.42	— 1.40	+ 1 9 32.7			
4	η Virginis	11	15	7.10	— 0.24	—22.78	38 56 4.60	47.402	+	45.8	56.2	12 15 . . .					
5	θ Virginis	11	5	5.78	— 0.25	—22.39	43 50 4.62	45.949	+	54.6	55.7	13 4 . . .					
6	α Ursæ Minoris S. P.	8	21	26.50	— 1.42	—22.41	307 38 0.18	46.115	—	13.3	[55.6]	1 21 . . .					
7	ζ Virginis	11	29	55.65	— 0.24	—22.57	38 54 4.62	48.858	+	45.9	56.5	13 29 . . .					
8	δ Scorpii	11	54	44.95	— 0.32	—22.79	61 10 5.22	43.711	+	1 43.9	55.3	15 54 . . .					
9	Uranus C, C.	11	59	2.09	— 0.31	—22.79	59 10 5.35	47.606	+	1 35.9	55.6	15 58 38.99		— 20 21 13.1			
10	δ Ophiuchi	11	9	26.45	— 0.25	—22.77	42 16 6.55	46.378	+	52.1	55.5	16 9 . . .					
11	α Scorpii	11	23	36.19	— 0.33	—22.81	65 2 5.62	43.981	+	2 2.7	54.9	16 23 . . .					
12	Saturn I, S.	6	34	30.90	— 0.31	—22.78	58 52 4.05	45.772	+	1 34.8	55.6	16 34 7.81	+ 0.66	— 20 2 35.6			
13	Saturn II, N.	5	34	32.22	— 0.31	—22.78	58 52 4.05	44.618	+	1 34.8	55.6	16 34 9.13	— 0.66	— 20 2 13.3			
14	κ Ophiuchi	11	53	16.62	— 0.21	—22.77	29 18 5.70	47.636	+	32.3	55.3	16 52 . . .					
May 17, S.																	
15	β Andromedæ	11	4	24.83	— 0.15	—22.59	3 46 2.88	46.079	+	3.8	54.9	1 4 . . .					
16	α Ursæ Minoris	7	21	22.83	+ 1.13	[—20.90]	310 6 2.50	46.653	—	1 6.8	[55.4]	1 21 . . .					
17	β Arietis	11	49	24.08	— 0.18	—22.70	18 32 3.60	45.728	+	19.0	53.9	1 49 . . .					
18	α Arietis	11	1	49.04	— 0.18	—22.60	15 52 3.08	45.180	+	16.1	54.3	2 1 . . .					
19	Moon II.	11	11	11.16	— 0.19	—22.64	20 55 . . .					2 10 48.33	— 65.49				
20	Mercury C, C.	11	20	38.45	— 0.20	—22.64	28 18 4.55	49.010	+	30.4	55.1	2 20 15.61	— 0.18	+ 10 31 25.5			
May 18, S.																	
21	Sun I, N.	11	41	5.17	— 0.18	—22.65	18 54 2.25	49.052	+	19.3	55.1	3 40 42.34	+ 67.39	+ 19 55 39.7			
22	Sun II, S.	11	43	19.95	— 0.18	—22.65	19 26 6.50	47.410	+	19.9	55.1	3 42 57.12	— 67.39	+ 19 24 2.9			
23	α Tauri	11	30	27.80	— 0.19	—22.67	22 32 7.38	46.426	+	23.3	55.5	4 30 . . .					
24	ι Aurigæ	11	50	44.87	— 0.16	—22.65	5 50 2.08	47.476	+	5.8	55.4	4 50 . . .					
25	β Orionis	11	10	1.74	— 0.25	—22.69	47 10 2.28	43.159	+	0.3	55.6	5 9 . . .					
26	Venus I, C.	6	20	24.60	— 0.18	—22.67	14 42 2.88	47.884	+	14.7	55.1	5 20 1.75	+ 0.44	+ 24 8 4.3			
27	Venus II	5	20	25.40	— 0.18	—22.67						5 20 2.55	— 0.36				
28	ε Orionis	11	31	25.99	— 0.23	—22.67	40 6 3.52	46.519	+	47.1	56.2	5 31 . . .					
29	θ Virginis	11	5	6.16	— 0.25	—22.77	43 50 4.38	45.960	+	54.5	55.6	13 4 . . .					
30	α Ursæ Minoris S. P.	8	21	24.36	+ 0.28	[—21.17]	307 38 2.80	45.912	—	13.2	[54.7]	1 21 . . .					
31	ζ Virginis	11	29	55.88	— 0.24	—22.80	38 54 4.48	48.825	+	45.9	55.8	13 29 . . .					
32	δ Scorpii	11	54	45.05	— 0.30	—22.90	61 10 4.60	43.828	+	1 43.4	56.4	15 54 . . .					
33	Uranus C, C.	11	58	51.75	— 0.29	—22.82	59 10 4.40	46.128	+	1 35.4	55.7	15 58 28.64		— 20 20 43.2			
34	δ Ophiuchi	11	9	26.51	— 0.24	—22.83	42 16 4.45	46.508	+	51.8	55.7	16 9 . . .					
35	α Scorpii	11	23	36.16	— 0.32	—22.78	65 2 3.90	44.142	+	2 1.8	55.3	16 23 . . .					
36	Saturn I, S.	6	34	12.92	— 0.29	—22.82	58 52 3.88	43.865	+	1 34.0	55.7	16 33 49.81	+ 0.69	— 20 1 58.0			
37	Saturn II, N.	5	34	14.30	— 0.29	—22.82	58 52 3.88	42.815	+	1 34.0	55.7	16 33 51.19	— 0.69	— 20 1 37.7			
38	κ Ophiuchi	11	53	16.65	— 0.22	—22.78	29 18 4.90	47.692	+	32.0	55.4	16 52 . . .					
May 18, L.																	
39	β Ceti	10	38	52.62	— 0.42	—22.77	57 22 3.88	46.038	+	1 26.7	55.8	0 38 . . .					
40	β Andromedæ	11	4	25.16	— 0.34	—22.70	3 46 4.05	46.023	+	3.7	55.4	1 4 . . .					
41	α Ursæ Minoris	8	21	29.46	— 3.58	[—22.00]	310 5 59.80	46.782	—	1 5.4	[56.3]	1 21 . . .					
42	α Arietis	11	1	49.39	— 0.35	—22.76	15 52 3.28	45.232	+	15.7	55.2	2 1 . . .					
May 19, L.																	
43	Sun I, S.	11	45	4.59	— 0.35	—22.77	19 14 1.35	45.335	+	19.1	56.5	3 44 41.47	+ 67.52	+ 19 36 53.4			
44	Sun II, N.	11	47	19.63	— 0.35	—22.77	18 42 1.82	46.272	+	18.5	56.5	3 46 56.51	— 67.52	+ 20 8 32.2			
45	α Tauri	11	30	28.12	— 0.35	—22.82	22 32 3.60	46.708	+	22.6	56.4	4 30 . . .					
46	ι Aurigæ	9	50	45.20	— 0.34	—22.79	5 50 0.80	47.542	+	5.6	56.6	4 50 . . .					
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.																	
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.		Sum.				
d h m		in.	°	°					' "	' "	"		' "				
17	12 16	29.854	63.2	61.9	2, 12, 36.	Bisections at II, VI.	2	+	1.1	— 20.3	.		—	19.2			
13	30	29.868	61.8	60.5	3, 13, 37.	Bisections at I, VII.	3	+	1.1	+ 20.3	.		+	21.4			
15	48	29.878	58.6	57.1	6, 30.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ .	9	+	0.4	.	.		+	0.4			
16	48	29.877	57.3	56.1	16, 41.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	12	+	0.9	+ 11.1	.		+	12.0			
1	7	29.978	66.3	64.8	21, 43.	Bisections at I, II.	13	+	0.9	— 11.2	.		—	10.3			
2	6	29.973	68.0	66.6	22, 44, 46.	Bisections at VI, VII.	20	+	6.3	.	—		1.3	5.0			
3	43	29.958	70.2	68.9	40.	Bisections at II, VI, VII.	21	+	2.8	— 15 48.4	.		— 15	45.6			
4	35	29.948	71.0	69.9			22	+	2.9	+ 15 48.3	.		+ 15	51.2			
5	36	29.928	72.1	70.5			26	+	1.5	.	+		0.1	1.6			
12	52	29.872	64.0	62.4			33	+	0.4	.	.		+	0.4			
13	36	29.870	62.6	60.7			36	+	0.9	+ 10.1	.		+	11.0			
15	47	29.808	60.0	58.0			37	+	0.9	— 10.2	.		—	9.3			
17	0	29.798	60.2	58.4			43	+	2.9	+ 15 49.4	.		+ 15	52.3			
0	41	29.804	70.8	70.7			44	+	2.8	— 15 49.3	.		— 15	46.5			
1	17	29.812	72.8	72.7													
2	3	29.812	75.2	74.9													
19	3 47	29.794	79.0	79.9													
	4 32	29.790	80.9	81.8													

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF THL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrum- ent.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	δ Ophiuchi	11	9 25.92	-0.33	-22.08	42 16 4.55	46.622	+ 51.0	57.7	16 9 . .	. .		. .
2	α Scorpii	11	23 35.65	-0.42	-22.07	65 2 4.38	44.286	+ 2 0.0	56.6	16 23 . .	. .		. .
3	Saturn I, N. . . .	6	32 22.05	-0.39	-22.11	58 48 3.38	44.001	+ 1 32.5	57.4	16 31 59.55	+ 0.69	- 19 57 56.7	. .
4	Saturn II, S. . . .	5	32 23.44	-0.39	-22.11	58 48 3.38	44.970	+ 1 32.5	57.4	16 32 0.94	- 0.70	- 19 58 15.5	. .
5	κ Ophiuchi	11	53 16.21	-0.30	-22.17	29 18 4.70	47.759	+ 31.6	57.2	16 52 . .	. .		. .
May 24, S.													
6	β Andromedæ . . .	11	4 24.45	-0.22	-21.94	3 46 . .	46.797	- 1 5.5	[57.0]	1 4 . .	. .		. .
7	α Ursæ Minoris . .	8	21 34.06	-1.87	[-23.42]	310 6 1.28	45.842	+ 18.6	57.1	1 21 . .	. .		. .
8	β Arietis	11	49 23.64	-0.24	-22.04	18 32 3.10	45.842	+ 18.6	57.1	1 49 . .	. .		. .
May 25, S.													
9	Sun I, S. . . .	11	9 10.20	-0.24	-21.96	18 4 2.00	45.510	+ 18.0	57.2	4 8 48.00	+67.87	+ 20 46 51.2	. .
10	Sun II, N. . . .	11	11 25.94	-0.24	-21.96	17 32 3.80	46.628	+ 17.4	57.2	4 11 3.74	-67.87	+ 21 18 25.2	. .
11	β Orionis	11	10 1.10	-0.30	-21.98	47 10 1.72	43.282	+ 59.4	57.6	5 9 . .	. .		. .
12	γ Geminorum . . .	9	32 12.63	-0.25	-21.95	22 22 3.45	44.071	+ 22.6	57.3	6 31 . .	. .		. .
13	α Canis Minoris . .	11	34 21.34	-0.27	-21.94	33 22 3.95	43.696	+ 36.1	57.6	7 33 . .	. .		. .
14	β Geminorum . . .	11	39 28.25	-0.23	-21.89	10 34 2.22	47.312	+ 10.3	56.7	7 39 . .	. .		. .
15	Moon I, N. . . .	11	18 23.00	-0.25	-21.93	20 37 55.50	44.770	+ 20.7	57.2	8 18 0.82	+64.71	+ 18 13 7.7	. .
16	α Hydræ	11	22 58.42	-0.30	-21.92	47 4 2.90	43.550	+ 58.8	57.3	9 22 . .	. .		. .
17	ε Leonis	11	40 28.07	-0.24	-21.90	14 36 3.50	46.474	+ 14.3	57.1	9 40 . .	. .		. .
18	δ Scorpii	11	54 44.41	-0.44	-22.04	61 10 3.92	44.062	+ 1 42.1	57.2	15 54 . .	. .		. .
19	Uranus C, C. . . .	11	57 38.21	-0.43	-21.97	59 6 3.05	48.012	+ 1 34.0	56.8	15 57 15.81	. .	- 20 17 15.5	. .
20	δ Ophiuchi	11	9 25.85	-0.37	-21.96	42 16 4.88	46.530	+ 51.2	56.6	16 9 . .	. .		. .
21	α Scorpii	11	23 35.62	-0.46	-21.99	65 2 3.72	44.291	+ 2 0.4	56.3	16 23 . .	. .		. .
22	Saturn I, S. . . .	5	32 3.44	-0.43	-21.97	58 46 3.30	49.262	+ 1 32.7	56.8	16 31 41.04	+ 0.67	- 19 57 38.5	. .
23	Saturn II, N. . . .	6	32 4.78	-0.43	-21.97	58 46 3.30	48.305	+ 1 32.7	56.8	16 31 42.38	- 0.67	- 19 57 20.0	. .
24	κ Ophiuchi	11	53 15.98	-0.33	-21.89	29 18 5.45	47.707	+ 31.7	57.1	16 52 . .	. .		. .
May 26, B.													
25	ζ Persei	8	48 6.14	-0.33	-21.65	7 16 . .	. .	. .	. .	3 47 . .	. .		. .
May 27, B.													
26	Sun I, N. . . .	11	17 16.05	-0.36	-21.66	17 11 59.15	45.590	+ 17.2	56.8	4 16 54.03	+68.15	+ 21 38 52.9	. .
27	Sun II, S. . . .	11	19 32.36	-0.36	-21.66	17 44 5.38	43.772	+ 17.8	56.8	4 19 10.34	-68.16	+ 21 7 17.6	. .
28	β Tauri	11	20 13.81	-0.34	-21.70	10 20 2.18	44.222	+ 10.1	56.1	5 19 . .	. .		. .
29	δ Orionis	11	27 10.72	-0.43	-21.71	39 12 3.12	48.010	+ 45.1	57.8	5 26 . .	. .		. .
30	α Orionis	10	50 2.04	-0.40	-21.65	31 28 2.95	43.122	+ 33.8	57.9	5 49 . .	. .		. .
31	Venus I, C. . . .	4	8 24.08	-0.35	-21.71	14 6 1.62	44.160	+ 13.9	56.8	6 8 2.02	+ 0.42	+ 24 45 17.6	. .
32	α² Geminorum . . .	11	28 29.24	-0.33	-21.75	6 44 3.40	46.187	+ 6.5	57.5	7 28 . .	. .		. .
33	α Canis Minoris . .	11	34 21.28	-0.41	-21.75	33 32 5.32	43.528	+ 36.2	56.5	7 33 . .	. .		. .
34	ε Leonis	11	40 28.04	-0.35	-21.78	14 36 2.95	46.459	+ 14.3	56.4	9 40 . .	. .		. .
35	μ Leonis	11	47 22.18	-0.35	-21.82	12 22 2.22	44.696	+ 12.0	56.5	9 47 . .	. .		. .
36	Moon I, N. . . .	11	54 19.62	-0.41	-21.78	29 52 2.45	44.945	+ 31.4	56.8	9 53 57.43	+63.29	+ 8 58 46.3	. .
37	α Leonis	. .		. .	. .	26 22 2.98	38.026	+ 27.2	56.3	10 2 . .	. .		. .
38	γ¹ Leonis	11	14 45.40	-0.36	-21.76	18 30 2.10	43.868	+ 18.3	56.2	10 14 . .	. .		. .
39	ρ Leonis	11	27 50.87	-0.40	-21.76	29 0 3.10	48.314	+ 30.4	56.7	10 27 . .	. .		. .
40	θ Virginis	11	5 5.52	-0.37	[-22.05]	43 50 3.88	46.142	+ 53.2	57.7	13 4 . .	. .		. .
41	α Ursæ Minoris S. P.	5	21 25.60	+ 2.10	[-17.17]	307 38 1.68	45.894	- 1 11.5	[56.5]	1 21 . .	. .		. .
42	ζ Virginis	11	29 55.20	-0.36	[-22.04]	38 54 2.62	49.030	+ 44.8	57.3	13 29 . .	. .		. .
43	ε Serpentis	11	39 40.37	-0.34	-22.01	32 6 5.70	45.180	+ 35.2	56.5	15 39 . .	. .		. .
44	ε Serpentis	11	46 9.69	-0.35	-22.04	34 4 5.68	44.134	+ 37.9	57.2	15 45 . .	. .		. .
45	Uranus C, C. . . .	11	57 17.58	-0.42	-22.03	59 6 6.05	44.820	+ 1 33.4	57.1	15 56 55.13	. .	- 20 16 16.4	. .
46	β¹ Scorpii	11	59 56.59	-0.42	-22.05	58 22 0.45	43.742	+ 1 30.7	56.8	15 59 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
24 17 0	29.650	65.5	63.3	3, 23.	Bisections at I, VII.	3	+ 0.9	- 9.4	. .	- 8.5
3 1	29.657	70.9	69.9	4, 22.	Bisections at II, VI.	4	+ 0.9	+ 9.4	. .	+ 10.3
25 4 11	29.654	75.8	74.2	7, 41.	Bisections at C₁, C₂, C₃, C₄, C₅.	9	+ 2.7	+15 47.0	. .	+15 49.7
5 14	29.640	75.4	72.9	8, 10, 27, 29, 30.	Bisections at VI, VII.	10	+ 2.6	-15 46.9	. .	-15 44.3
7 46	29.612	75.5	74.9	9, 18, 26.	Bisections at I, II.	15	+19 2.2	-14 51.1	. .	+ 4 11.1
8 24	29.610	75.4	74.9	15, 36.	Bisections at II, III, IV, V, VI.	19	+ 0.4	. .	. .	+ 0.4
9 46	29.613	75.5	75.4	31.	Bisection at VII.	22	+ 0.9	+ 9.2	. .	+ 10.1
15 50	29.614	65.2	61.2	32, 33.	Bisections at II, VI, VII.	23	+ 0.9	- 9.3	. .	- 8.4
16 51	29.595	63.2	60.9	37.	Z. D. thread A used.	26	+ 2.6	-15 47.7	. .	-15 45.1
27 4 20	29.578	69.7	68.9			27	+ 2.6	+15 47.6	. .	+15 50.2
5 23	29.553	70.5	69.9			31	+ 1.4	. .	0.0	+ 1.4
5 55	29.554	71.6	70.1			36	+27 27.4	-15 7.5	. .	+12 19.9
7 15	29.540	72.8	71.7			45	+ 0.4	. .	. .	+ 0.4
7 45	29.539	74.0	73.3							
9 35	29.534	74.0	74.9							
10 30	29.539	72.8	74.7							
12 55	29.546	68.6	68.1							
13 35	29.550	67.8	68.2							
15 35	29.554	65.0	63.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	δ Ophiuchi	11	9 25.91	- 0.37	-22.00	42 16 1.22	46.740	+ 51.0	56.9	16 9 . .	. .		. .
2	α Scorpii	11	23 35.72	- 0.45	-22.07	65 2 4.30	44.336	+ 59.9	57.2	16 23 . .	. .		. .
3	Saturn I, N. . . .	5	31 26.16	- 0.42	-22.06	58 46 2.45	44.508	+ 32.3	57.1	16 31 3.68	+ 0.66	- 19 56 5.8	. .
4	Saturn II, S. . . .	6	31 27.48	- 0.42	-22.06	58 46 2.45	45.530	+ 32.3	57.1	16 31 5.00	- 0.66	- 19 56 25.2	. .
May 27, Po.													
5	β Andromedæ . . .	11	4 24.72	- 0.34	-21.99	3 46 0.05	46.294	+ 3.7	56.4	1 4 . .	. .		. .
6	α Ursæ Minoris . .	10	21 38.24	- 5.36	[-21.99]	310 6 1.02	46.786	- 5.2	[56.3]	1 21 . .	. .		. .
7	β Arietis	10	49 23.79	- 0.34	-22.01	18 32 2.22	45.941	+ 18.5	56.8	1 49 . .	. .		. .
8	α Arietis	11	1 48.86	- 0.34	-22.03	15 52 2.35	45.344	+ 15.7	56.9	2 1 . .	. .		. .
9	Mercury II, C. . .	11	46 0.93	- 0.34	-22.04	26 32 3.48	46.395	+ 27.4	57.5	2 45 38.55	- 0.27	+ 12 18 22.1	. .
10	α Ceti	6	57 20.28	- 0.35	-22.14	35 10 3.32	42.260	+ 38.6	57.6	2 56 . .	. .		. .
May 28, Po.													
11	Sun I, N. . . .	11	21 20.23	- 6.34	-22.04	17 2 1.00	46.560	+ 16.8	57.5	4 20 57.85	+68.15	+ 21 48 33.5	. .
12	Sun II, S. . . .	11	23 36.54	- 0.34	-22.04	17 34 0.12	45.070	+ 17.3	57.5	4 23 14.16	-68.16	+ 21 16 59.2	. .
13	β Orionis	11	10 1.25	- 0.37	-22.04	47 9 59.22	43.449	+ 53.6	58.0	5 9 . .	. .		. .
14	ε Orionis	11	31 25.52	- 0.36	-22.05	40 6 2.15	46.668	+ 45.7	57.5	5 31 . .	. .		. .
15	α Orionis	10	50 2.36	- 0.34	-22.03	31 28 1.78	43.295	+ 33.2	58.1	5 49 . .	. .		. .
16	Venus I, C. . . .	6	13 44.93	- 0.34	-22.04	14 4 1.40	48.875	+ 13.6	57.5	6 13 22.55	+ 0.35	+ 24 45 50.5	. .
17	Venus II. . . .	5	13 45.56	- 0.34	-22.04					6 13 23.18	- 0.28		. .
18	α Geminorum . . .	11	28 29.50	- 0.34	-22.01	6 44 1.45	46.369	+ 6.5	58.5	7 28 . .	. .		. .
19	α Canis Minoris . .	11	34 21.58	- 0.35	-22.11	33 22 2.50	43.760	+ 35.7	57.0	7 33 . .	. .		. .
20	β Geminorum . . .	11	39 28.44	- 0.34	-21.99	10 34 1.05	47.510	+ 10.2	57.8	7 39 . .	. .		. .
21	α Leonis	11	3 20.96	- 0.33	-22.08	26 22 3.25	48.326	+ 27.0	58.8	10 2 . .	. .		. .
22	γ Leonis	11	14 45.66	- 0.32	-22.07	18 30 1.02	44.015	+ 13.2	57.9	10 14 . .	. .		. .
23	ρ Leonis	11	27 51.13	- 0.33	-22.11	29 0 2.35	48.439	+ 30.2	58.3	10 27 . .	. .		. .
24	Moon I, N. . . .	11	41 27.58	- 0.35	-22.09	35 19 55.38	44.176	+ 38.6	58.5	10 41 5.14	+63.46	+ 3 31 2.6	. .
25	δ Leonis	11	9 6.03	- 0.32	-22.08	17 46 3.15	45.544	+ 17.6	57.4	11 8 . .	. .		. .
26	τ Leonis	11	23 6.42	- 0.34	-22.09	35 26 2.58	44.500	+ 38.9	59.1	11 22 . .	. .		. .
27	α Ursæ Minoris s. p.	5	21 27.54	+ 4.52	[-20.79]	307 37 55.30	46.358	- 10.9	[58.6]	1 21 . .	. .		. .
28	α Scorpii	11	23 35.75	- 0.41	-22.13	65 2 4.08	44.514	+ 58.8	59.3	16 23 . .	. .		. .
29	Saturn I, N. . . .	6	31 7.72	- 0.39	-22.13	58 46 3.15	42.675	+ 31.3	58.5	16 30 45.20	+ 0.67	- 19 55 28.9	. .
30	Saturn II, S. . . .	5	31 9.06	- 0.39	-22.13	58 46 3.15	43.720	+ 31.4	58.5	16 30 46.54	- 0.67	- 19 55 48.9	. .
May 30, K.													
31	γ Corvi	11	10 58.54	- 0.40	-21.90	55 48 2.55	47.730	+ 21.0	59.0	12 10 . .	. .		. .
32	η Virginis	11	15 6.15	- 0.35	-21.82	38 56 3.05	47.640	+ 44.5	58.8	12 14 . .	. .		. .
33	Moon I, N. . . .	11	19 18.48	- 0.38	-21.88	46 59 55.90	45.766	+ 59.1	58.2	12 18 56.22	+66.16	- 8 9 49.2	. .
34	β Corvi	11	29 26.84	- 0.42	-21.93	61 40 3.75	44.819	+ 42.0	57.9	12 29 . .	. .		. .
35	θ Virginis	5	5 5.31	- 0.36	-21.87	43 50 3.20	46.242	+ 53.1	58.9	13 4 . .	. .		. .
36	α Ursæ Minoris s. p.	5	21 29.32	+ 2.44	[-18.84]	307 38 4.82	45.829	- 11.3	[58.7]	1 21 . .	. .		. .
37	δ Scorpii	11	54 44.28	- 0.42	-21.88	61 10 3.42	44.089	+ 41.4	57.8	15 54 . .	. .		. .
38	Uranus C, C. . . .	11	56 46.65	- 0.41	-21.85	59 4 2.38	46.746	+ 33.3	58.2	15 56 24.39	. .	- 20 14 48.4	. .
39	β Scorpii	11	59 56.49	- 0.41	-21.93	58 22 0.05	43.846	+ 30.7	58.4	15 59 . .	. .		. .
40	δ Ophiuchi	11	9 25.74	- 0.36	-21.81	42 16 1.58	46.765	+ 50.9	57.9	16 9 . .	. .		. .
41	α Scorpii	11	23 35.46	- 0.44	-21.79	65 2 3.65	44.364	+ 59.9	57.0	16 23 . .	. .		. .
42	Saturn I, S. . . .	6	30 30.08	- 0.41	-21.85	58 44 2.20	46.098	+ 32.3	58.2	16 30 7.82	+ 0.72	- 19 54 34.8	. .
43	Saturn II, N. . . .	5	30 31.52	- 0.41	-21.85	58 44 2.20	44.982	+ 32.2	58.2	16 30 9.26	- 0.72	- 19 54 13.4	. .
May 30, La.													
44	β Andromedæ . . .	11	4 24.49	- 0.27	-21.74	3 46 3.38	46.146	+ 3.8	57.1	1 4 . .	. .		. .
45	α Ursæ Minoris . .	11	21 35.00	- 2.82	[-18.81]	310 6 2.20	46.846	- 6.8	[56.4]	1 21 . .	. .		. .
46	α Arietis	11	49 23.67	- 0.29	-21.87	18 32 4.22	45.791	+ 19.0	56.8	1 49 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
27 16 35	29.544	64.0	62.1	3, 29, 43.	Bisections at II, VI.	3	+ 0.9	- 9.7	. .	- 8.8
1 10	29.596	71.2	71.0	4, 30, 42.	Bisections at I, VII.	4	+ 0.9	+ 9.7	. .	+ 10.6
2 6	29.600	74.0	73.1	6, 45.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	9	+ 4.8		0.8	+ 4.0
2 52	29.602	76.0	74.2	10.	Bisections at I, II, VII.	11	+ 2.5	-15 47.1	. .	-15 44.6
4 23	29.592	78.5	77.2	11, 20.	Bisections at I, II.	12	+ 2.6	+15 47.1	. .	+15 49.7
6 0	29.576	81.0	79.9	12.	Bisections at VI, VII.	16	+ 1.4		0.0	+ 1.4
7 42	29.564	80.2	79.9	16.	Bisections at I, VI.	24	+32 19.6	-15 19.6	. .	+17 0.0
9 54	29.550	79.9	79.8	24, 33.	Bisections at II, III, IV, V, VI.	29	+ 0.9	- 10.0	. .	- 9.1
11 25	29.550	76.0	75.0	27.	Bisections at C ₁ , C ₂ , B ₃ , B ₂ .	30	+ 0.9	+ 10.0	. .	+ 10.9
13 36	29.566	73.0	71.9	36.	Bisections at D ₂ , D ₁ , C ₅ , C ₄ , C ₃ .	33	+42 16.0	-15 49.5	. .	+26 25.5
15 26	29.550	70.0	67.9			38	+ 0.4		. .	+ 0.4
17 6	29.554	69.0	67.1			42	+ 0.9	+ 10.7	. .	+ 11.6
12 5	29.605	74.2	72.4			43	+ 0.9	- 10.7	. .	- 9.8
12 31	29.620	73.0	71.7							
13 11	29.626	71.8	70.0							
15 51	29.656	68.0	65.0							
16 28	29.670	66.2	63.9							
1 8	29.800	63.8	61.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Arietis	II	1 48.69	- 0.28	-21.84	15 52 3.95	45.215	+ 16.1	56.6	2 1 . . .			
2	Mercury II, C. . . .	II	57 59.23	- 0.30	-21.83	25 28 4.60	43.476	+ 26.8	57.0	2 57 37.10	- 0.26	+ 13 23 17.0	
May 31, La.													
3	Sun I, S.	II	33 33.67	- 0.28	-21.85	17 5 58.78	49.118	+ 17.3	57.0	4 33 11.54	+68.32	+ 21 43 45.7	
4	Sun II, N.	II	35 50.32	- 0.28	-21.85	16 33 57.32	50.458	+ 16.7	57.0	4 35 28.19	-68.33	+ 22 15 18.8	
5	β Orionis	II	10 1.12	- 0.34	-21.92	47 9 56.62	43.479	+ 1 0.1	57.9	5 9 . . .			
6	β Tauri	II	20 13.84	- 0.28	-21.77	10 20 2.05	44.228	+ 10.2	56.5	5 19 . . .			
7	α Orionis	II	50 2.11	- 0.30	-21.81	31 28 3.22	43.081	+ 34.1	56.6	5 49 . . .			
8	Venus I, C.	5	29 44.70	- 0.28	-21.85	14 8 3.08	44.590	+ 14.0	57.0	6 29 22.57	+ 0.47	+ 24 43 9.8	
9	Venus II.	6	29 45.53	- 0.28	-21.85					6 29 23.40	- 0.36		
10	α Canis Majoris . . .	II	41 2.22	- 0.37	-21.94	55 24 2.48	46.869	+ 1 20.4	57.3	6 40 . . .			
11	γ Corvi	II	10 58.47	- 0.38	-21.86	55 48 3.68	47.558	+ 1 21.7	57.5	12 10 . . .			
12	η Virginis	II	15 6.08	- 0.33	-21.78	38 56 4.85	47.455	+ 45.0	57.5	12 14 . . .			
13	β Corvi	II	29 26.75	- 0.41	-21.86	61 40 4.88	44.649	+ 1 42.9	56.7	12 29 . . .			
14	θ Virginis	II	5 5.08	- 0.35	-21.66	43 50 5.72	45.941	+ 53.6	56.3	13 4 . . .			
15	Moon I, N.	II	12 34.75	- 0.39	-21.79	52 42 5.20	46.842	+ 1 13.3	56.8	13 12 12.57	+68.72	- 13 52 34.7	
16	α Ursæ Minoris s. p.	8	21 34.51	+ 2.17	-22.84	307 38 4.28	45.761	- 1 12.1	[56.7]	1 21 . . .			
17	Uranus C, C.	II	56 36.21	- 0.40	-21.80	59 4 4.28	45.034	+ 1 33.5	56.8	15 56 14.01		- 20 14 19.1	
18	β ¹ Scorpii	II	59 56.35	- 0.40	-21.79	58 22 4.00	43.592	+ 1 30.9	57.7	15 59 . . .			
19	δ Ophiuchi	II	9 25.65	- 0.34	-21.74	42 16 5.65	46.465	+ 51.1	56.5	16 9 . . .			
20	α Scorpii	II	23 35.57	- 0.42	-21.90	65 2 1.35	44.450	+ 2 0.2	56.6	16 23 . . .			
21	Saturn I, N.	6	30 11.35	- 0.40	-21.80	58 44 3.15	43.005	+ 1 32.4	56.8	16 29 49.15	+ 0.67	- 19 53 37.9	
22	Saturn II, S.	5	30 12.70	- 0.40	-21.80	58 44 3.15	44.148	+ 1 32.4	56.8	16 29 50.50	- 0.68	- 19 54 0.0	
23	ζ Ophiuchi	II	31 58.37	- 0.36	-21.77	49 12 2.18	44.943	+ 1 5.1	55.9	16 31 . . .			
May 31, S.													
24	β Andromedæ	II	4 24.43	- 0.26	-21.66	3 46 1.35	46.212	+ 3.8	56.4	1 4 . . .			
25	α Ursæ Minoris . . .	8	21 36.49	- 3.05	-19.12	310 6 1.60	46.833	- 1 5.9	[56.3]	1 21 . . .			
26	α Arietis	II	49 23.55	- 0.27	-21.74	18 32 3.82	45.770	+ 18.7	55.5	1 49 . . .			
27	α Arietis	II	1 48.47	- 0.27	-21.60	15 52 3.45	45.209	+ 15.8	55.7	2 1 . . .			
28	γ Ceti	II	38 23.99	- 0.30	-21.71	36 2 3.95	45.200	+ 40.3	57.0	2 38 . . .			
29	Mercury C, C. . . .	II	2 23.65	- 0.28	-21.68	25 2 3.08	49.560	+ 25.9	56.5	3 2 1.69	- 0.10	+ 13 47 22.3	
June 1, S.													
30	Sun I, N.	II	37 39.07	- 0.27	-21.69	16 26 7.78	49.605	+ 16.3	56.5	4 37 17.11	+68.29	+ 22 23 27.8	
31	Sun II, S.	II	39 55.66	- 0.27	-21.69	16 58 7.25	47.995	+ 16.8	56.5	4 39 33.70	-68.30	+ 21 51 55.5	
32	δ Orionis	II	27 10.69	- 0.31	-21.77	39 12 3.42	47.984	+ 44.7	56.4	5 26 . . .			
33	α Orionis	II	50 2.06	- 0.29	-21.76	31 28 2.95	43.180	+ 33.5	57.6	5 49 . . .			
34	μ Geminorum	II	17 10.57	- 0.27	-21.63	16 16 3.00	48.142	+ 16.0	56.6	6 16 . . .			
35	γ Geminorum	II	12 12.39	- 0.28	-21.68	22 22 2.00	44.012	+ 22.5	56.0	6 31 . . .			
36	Venus I, S.	6	35 3.98	- 0.27	-21.70	14 10 5.10	45.862	+ 13.8	56.5	6 34 42.01	+ 0.43	+ 24 40 43.3	
37	Venus II, N.	5	35 4.74	- 0.27	-21.70	14 10 5.10	45.260	+ 13.8	56.5	6 34 42.77	- 0.33	+ 24 40 54.6	
38	δ Geminorum	II	14 25.28	- 0.27	-21.64	16 40 5.20	47.338	+ 16.4	56.8	7 14 . . .			
39	η Virginis	II	5 5.26	- 0.31	-21.88	43 50 4.12	46.085	+ 53.0	56.9	13 4 . . .			
40	α Virginis	II	20 14.37	- 0.32	-21.84	49 28 3.68	45.824	+ 1 4.6	57.6	13 19 . . .			
41	α Ursæ Minoris s. p.	7	21 24.10	+ 4.51	-13.80	307 38 1.95	45.934	- 1 11.3	[56.7]	1 21 . . .			
42	Moon I, N.	II	10 24.16	- 0.35	-21.85	57 50 2.65	47.851	+ 1 28.0	56.7	14 10 1.96	+71.82	- 19 1 6.3	
43	ε Bootis	II	40 57.23	- 0.28	-21.74	11 20 3.08	48.110	+ 11.2	57.0	14 40 . . .			
44	α ² Libræ	II	45 39.88	- 0.33	-21.92	54 26 3.62	49.215	+ 1 17.6	57.3	14 45 . . .			
45	ε Serpentis	II	46 9.45	- 0.29	-21.84	34 4 4.28	44.155	+ 37.7	56.6	15 45 . . .			
46	Uranus C, C.	II	56 26.15	- 0.34	-21.87	59 4 3.40	43.598	+ 1 32.9	56.7	15 56 3.94		- 20 13 50.2	
47	β ¹ Scorpii	II	59 56.50	- 0.34	-21.99	58 22 3.68	43.615	+ 1 30.4	57.3	15 59 . . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
30 2 7	29.818	66.2	63.7	3, 30.	Bisections at I, II.	2	+ 4.3		0.7	+ 3.6
31 3 0	29.824	67.2	65.6	4, 31, 35.	Bisections at VI, VII.	3	+ 2.6	+15 46.5		+15 49.1
31 4 36	29.824	70.1	68.7	6, 23.	Bisections at II, VI, VII.	4	+ 2.5	-15 46.5		-15 44.0
5 10	29.810	70.8	69.9	15, 42.	Bisections at II, III, IV, V, VI.	8	+ 1.4		0.0	+ 1.4
6 44	29.800	72.6	71.8	16, 25.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	15	+46 46.7	-16 5.7		+30 41.0
12 5	29.798	71.8	71.1	21, 37.	Bisections at I, VII.	17	+ 0.4			+ 0.4
12 58	29.800	69.4	68.9	22, 36.	Bisections at II, VI.	21	+ 0.9	- 11.0		- 10.1
13 34	29.802	68.2	67.6	41.	Bisections at C ₁ , B ₃ , B ₂ , B ₁ .	22	+ 0.9	+ 11.1		+ 12.0
15 52	29.804	66.4	66.1			29	+ 4.2		0.6	+ 3.6
16 35	29.800	66.0	65.1			30	+ 2.5	-15 46.2		-15 43.7
1 8	29.851	69.8	69.0			31	+ 2.5	+15 46.1		+15 48.6
2 6	29.860	73.0	72.7			36	+ 1.5	+ 5.6	0.0	+ 7.1
3 6	29.857	75.2	74.4			37	+ 1.5	- 5.7		- 4.2
4 40	29.834	77.4	77.3			42	+50 34.6	-16 20.8		+34 13.8
5 35	29.814	79.4	79.2			46	+ 0.4			+ 0.4
7 20	29.796	83.8	81.1							
13 10	29.737	74.5	73.4							
14 16	29.733	72.0	70.9							
14 50	29.730	70.9	70.0							
15 52	29.724	69.4	68.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI-CROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	δ Ophiuchi	11	9 25.75	- 0.30	-21.87	42 16 4.28	46.538	+ 50.9	56.4	16 9 . .	. .		. .
2	α Scorpii	11	23 35.54	- 0.36	-21.92	65 2 4.48	44.262	+ 2 0.0	55.9	16 23 . .	. .		. .
3	Saturn I, S.	6	29 52.78	- 0.34	-21.87	58 42 3.85	48.325	+ 1 32.3	56.7	16 29 30.57	+ 0.61	19 53 20.8	. .
4	Saturn II, N.	5	29 54.00	- 0.34	-21.87	58 42 3.85	47.315	+ 1 32.3	56.7	16 29 31.79	- 0.61	19 53 1.2	. .
5	ζ Ophiuchi	8	31 58.30	- 0.32	-21.73	49 11 55.92	45.170	+ 1 5.1	54.9	16 31 . .	. .		. .
June 2, La.													
6	α Ursæ Minoris . . .	3	21 36.77	- 3.29	[-17.16]	310 6 1.95	46.769	- 1 6.7	[55.9]	1 21 . .	. .		. .
7	α Arietis	8	1 48.62	- 0.40	-21.57	15 52 5.08	45.105	+ 16.0	55.7	2 1 . .	. .		. .
8	α Ceti	8	57 19.98	- 0.43	-21.64	35 10 5.65	41.952	+ 39.2	56.2	2 56 . .	. .		. .
9	Mercury II, C. . . .	11	11 50.85	- 0.41	-21.53	24 12 5.58	45.141	+ 25.0	56.1	3 11 28.91	- 0.25	+ 14 38 45.0	. .
10	η Tauri	11	41 48.15	- 0.40	-21.39	15 4 4.55	43.410	+ 14.9	56.0	3 41 . .	. .		. .
June 3, La.													
11	Sun I, N.	10	45 50.84	- 0.40	-21.52	16 12 2.10	46.258	+ 16.0	56.7	4 45 28.92	+68.51	+ 22 38 38.1	. .
12	Sun S.	10	45 50.84	. .	. .	16 44 4.65	44.522	+ 16.5	56.7		. .	+ 22 7 5.2	. .
13	β Orionis	11	10 0.87	- 0.47	-21.52	47 10 14.02	42.590	+ 59.0	57.6	5 9 . .	. .		. .
14	β Tauri	11	20 13.66	- 0.39	-21.45	10 20 2.10	44.298	+ 10.0	57.1	5 19 . .	. .		. .
15	α Orionis	11	50 1.92	- 0.43	-21.47	31 28 2.48	43.176	+ 33.4	57.1	5 49 . .	. .		. .
16	γ Geminorum	11	32 12.39	- 0.41	-21.55	22 22 2.52	44.091	+ 22.5	56.6	6 31 . .	. .		. .
17	α Canis Majoris . . .	11	41 1.99	- 0.50	-21.58	55 24 1.82	46.962	+ 19.1	57.7	6 40 . .	. .		. .
18	Venus I, C.	5	45 41.48	- 0.39	-21.51	14 16 2.58	48.232	+ 14.0	57.6	6 45 19.58	+ 0.44	+ 21 34 1.1	. .
19	Venus II	5	45 42.26	- 0.39	-21.51		. .	. .	. .	6 45 20.36	- 0.34		. .
20	θ Virginis	11	5 4.76	- 0.40	[-21.31]	43 50 3.78	46.049	+ 53.1	56.0	13 4 . .	. .		. .
21	α Ursæ Minoris s. p.	8	21 35.28	+ 2.72	[-21.18]	307 38 2.32	45.754	- 1 11.4	[55.7]	1 21 . .	. .		. .
22	ζ Virginis	7	29 54.64	- 0.39	[-21.48]	38 54 4.88	48.944	+ 44.8	58.5	13 29 . .	. .		. .
23	ε Serpentis	11	46 9.17	- 0.38	-21.46	34 4 5.08	44.116	+ 38.0	57.2	15 45 . .	. .		. .
24	Uranus C, C.	11	56 5.68	- 0.46	-21.48	59 2 3.52	46.725	+ 1 33.5	56.9	15 55 43.74	. .	- 20 12 50.7	. .
25	β ¹ Scorpii	11	59 56.19	- 0.45	-21.56	58 22 3.08	43.579	+ 1 31.0	56.6	15 59 . .	. .		. .
26	δ Ophiuchi	11	9 25.43	- 0.40	-21.43	42 16 4.00	46.542	+ 51.2	56.7	16 9 . .	. .		. .
27	Moon I, S.	11	21 12.85	- 0.50	-21.48	64 58 5.98	46.082	+ 2 0.1	56.9	16 20 50.87	+77.18	- 26 9 7.5	. .
28	Saturn I, N.	6	29 15.27	- 0.45	-21.48	58 42 2.42	43.568	+ 1 32.5	56.9	16 28 53.34	+ 0.66	- 19 51 48.1	. .
29	Saturn II, S.	5	29 16.58	- 0.45	-21.48	58 42 2.42	44.642	+ 1 32.5	56.9	16 28 54.65	- 0.65	- 19 52 8.6	. .
30	κ Ophiuchi	11	53 15.68	- 0.36	-21.46	29 18 4.65	47.616	+ 31.7	56.2	16 52 . .	. .		. .
June 5, S.													
31	Uranus C, C.	11	55 45.48	- 0.43	-21.40	59 2 2.20	43.736	+ 1 34.4	56.0	15 55 23.65	. .	- 20 11 53.8	. .
32	β ¹ Scorpii	11	59 56.05	- 0.43	-21.43	58 22 2.22	43.584	+ 1 32.0	56.9	15 59 . .	. .		. .
33	δ Ophiuchi	11	9 25.37	- 0.37	-21.38	42 16 4.10	46.484	+ 51.7	56.4	16 9 . .	. .		. .
34	α Scorpii	11	23 35.19	- 0.46	-21.44	65 2 3.62	44.189	+ 2 1.7	55.3	16 23 . .	. .		. .
35	Saturn I, S.	5	28 38.00	- 0.43	-21.41	58 40 3.20	47.045	+ 1 33.3	56.0	16 28 16.16	+ 0.75	- 19 50 57.3	. .
36	Saturn II, N.	6	28 39.50	- 0.43	-21.41	58 40 3.20	46.060	+ 1 33.3	56.0	16 28 17.66	- 0.75	- 19 50 38.2	. .
37	ζ Ophiuchi	11	31 58.05	- 0.39	-21.37	49 11 53.95	45.320	+ 1 5.9	55.5	16 31 . .	. .		. .
38	γ ² Sagittarii	11	59 41.65	- 0.49	-21.48	69 14 3.95	45.972	+ 2 29.7	56.9	17 59 . .	. .		. .
39	δ Ursæ Minoris . . .	5	5 44.19	- 0.75	[-24.01]	312 16 3.10	43.955	- 1 2.6	[57.8]	18 5 . .	. .		. .
40	η Serpentis	11	16 27.31	- 0.37	-21.44	41 46 4.30	44.852	+ 51.0	55.7	18 16 . .	. .		. .
41	ι Aquilæ	11	30 4.90	- 0.38	-21.42	47 10 4.82	42.305	+ 1 1.6	55.4	18 29 . .	. .		. .
42	Moon S.	. .		. .	. .	63 52 5.42	47.072	+ 1 56.2	56.0		. .	- 25 3 18.9	. .
43	Moon II, N.	9	43 41.53	- 0.46	-21.44	63 17 56.55	48.410	+ 1 53.4	56.0	18 43 19.63	-76.40	- 24 29 40.8	. .
44	ζ Aquilæ	11	1 8.35	- 0.32	-21.45	25 8 4.25	45.395	+ 26.9	56.0	19 0 . .	. .		. .
45	δ Sagittarii	11	12 5.75	- 0.43	-21.43	57 58 4.58	44.086	+ 1 31.3	55.8	19 11 . .	. .		. .
June 5, L.													
46	α Ursæ Minoris . . .	7	21 43.03	- 5.43	[-18.30]	310 6 2.78	46.903	- 1 6.7	[57.4]	1 21 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
1 16 42	29.722	66.0	63.0	3, 28, 35.	Bisections at II, VI.	3	+ 0.9	+ 9.8	. .	+ 10.7
2 1 33	29.860	68.8	65.2	4, 29, 36.	Bisections at I, VII.	4	+ 0.9	- 9.8	. .	+ 8.9
3 3 0	29.864	73.0	72.0	5, 12.	Bisections at VI, VII.	9	+ 3.9	. .	- 0.6	+ 3.3
3 4 47	29.875	79.0	79.3	6.	Bisections at C ₃ , C ₄ , D ₂ , D ₃ .	11	+ 2.4	-15 46.4	. .	-15 44.0
5 10	29.864	79.7	80.2	8.	Bisections at II, VII.	12	+ 2.5	+15 46.4	. .	+15 48.9
5 49	29.864	80.6	81.3	10.	Bisections at II, VI, VII.	18	+ 1.5	. .	0.0	+ 1.5
6 48	29.854	81.2	81.1	11.	Bisections at I, II.	24	+ 0.4	. .	. .	+ 0.4
13 6	29.852	75.4	74.7	21, 46.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	27	+55 17.3	+16 41.3	. .	+71 58.6
13 34	29.854	74.4	73.4	27.	Bisections at II, III, IV, V, VI.	28	+ 0.9	- 10.2	. .	- 9.3
15 48	29.876	68.3	64.7	39.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	29	+ 0.9	+ 10.3	. .	+ 11.2
16 34	29.876	67.0	64.9	42.	Bisections at I, II, III.	31	+ 0.4	. .	. .	+ 0.4
16 55	29.878	66.8	62.6	43.	Bisections at V, VI, VII.	35	+ 0.9	+ 9.6	. .	+ 10.5
15 49	29.948	65.1	61.3			36	+ 0.9	- 9.5	. .	- 8.6
16 41	29.944	63.4	61.3			42	+54 45.0	+16 41.0	- 0.1	+71 25.9
19 18	29.917	60.0	57.9			43	+54 28.8	-16 41.0	. .	+37 47.8
1 26	29.996	68.9	66.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	β Arietis	8	49 23.28	- 0.40	-21.21	18 32 4.35	45.656	+ 18.9	54.8	1 49 . . .	. . .	. . .	. . .
2	α Arietis	11	1 48.39	- 0.40	-21.26	15 52 4.32	45.074	+ 16.0	54.7	2 1 . . .	. . .	. . .	. . .
3	α Ceti	6	57 19.60	- 0.42	-21.20	35 10 4.38	41.981	+ 39.3	55.8	2 56 . . .	. . .	. . .	. . .
4	Mercury C. C. . . .	11	27 35.75	- 0.41	-21.22	22 48 4.12	47.228	+ 23.5	55.7	3 27 14.12	- 0.08	+ 16 2 7.5	. . .
5	α Tauri	11	30 26.76	- 0.41	-21.21	22 32 4.45	46.601	+ 23.0	56.3	4 30 . . .	. . .	. . .	. . .
June 6, L.													
6	Sun I, S.	11	58 11.17	- 0.40	-21.22	16 24 9.52	45.090	+ 16.4	56.4	4 57 49.55	+68.64	+ 22 26 52.4	. . .
7	Sun II, N.	11	0 28.45	- 0.40	-21.22	15 52 9.42	46.222	+ 15.8	56.4	5 0 6.83	-68.64	+ 22 58 28.3	. . .
8	α Orionis	11	50 1.68	- 0.42	-21.22	31 28 3.82	43.089	+ 33.8	57.4	5 49 . . .	. . .	. . .	. . .
9	γ Geminorum	11	32 12.07	- 0.41	-21.22	22 22 4.80	43.951	+ 22.7	56.6	6 31 . . .	. . .	. . .	. . .
10	α Canis Majoris . . .	11	41 1.67	- 0.47	-21.30	55 24 2.95	46.825	+ 19.8	57.4	6 40 . . .	. . .	. . .	. . .
11	Venus I, S.	6	1 33.20	- 0.40	-21.23	14 32 4.02	47.008	+ 14.3	57.4	7 1 11.57	+ 0.54	+ 24 18 22.6	. . .
12	Venus II, N.	5	1 34.14	- 0.40	-21.23	14 32 4.02	46.375	+ 14.3	57.4	7 1 12.51	- 0.40	+ 24 18 34.9	. . .
13	α^2 Geminorum	11	28 28.69	- 0.40	-21.16	6 44 3.32	46.208	+ 6.5	57.3	7 28 . . .	. . .	. . .	. . .
14	α Ursæ Minoris s. p.	6	21 34.92	+ 5.43	[-20.59]	307 38 1.70	45.905	- 11.8	[57.8]	1 21 . . .	. . .	. . .	. . .
15	ϵ Serpentis	11	46 9.12	- 0.41	-21.36	34 4 6.32	44.061	+ 38.1	57.9	15 45 . . .	. . .	. . .	. . .
16	Uranus I, C.	6	55 35.48	- 0.46	-21.36	59 2 3.30	42.265	+ 133.6	57.5	15 55 13.66	+ 0.20	- 20 11 24.4	. . .
17	Uranus II	5	55 35.88	- 0.46	-21.36	. . .	. . .	. . .	. . .	15 55 14.06	- 0.20	. . .	. . .
18	β^1 Scorpii	11	59 56.07	- 0.46	-21.41	58 22 4.08	43.610	+ 31.2	58.4	15 59 . . .	. . .	. . .	. . .
19	δ Ophiuchi	11	9 25.38	- 0.42	-21.34	42 16 5.05	46.525	+ 51.2	57.8	16 9 . . .	. . .	. . .	. . .
20	Saturn I, N.	6	28 19.62	- 0.46	-21.36	58 40 2.28	44.382	+ 32.5	57.5	16 27 57.80	+ 0.65	- 19 50 3.0	. . .
21	Saturn II, S.	5	28 20.92	- 0.46	-21.36	58 40 2.28	45.360	+ 32.5	57.5	16 27 59.10	- 0.65	- 19 50 21.6	. . .
22	ζ Ophiuchi	10	31 58.06	- 0.43	-21.33	49 12 3.78	44.790	+ 5.3	55.9	16 31 . . .	. . .	. . .	. . .
23	δ Sagittarii	11	12 5.88	- 0.46	-21.51	57 58 4.50	44.148	+ 30.8	56.4	19 11 . . .	. . .	. . .	. . .
24	δ Aquilæ	11	20 46.53	- 0.41	-21.39	35 56 6.18	44.498	+ 41.3	57.0	19 20 . . .	. . .	. . .	. . .
25	κ Aquilæ	11	31 49.54	- 0.43	-21.30	46 6 4.65	43.286	+ 59.1	56.6	19 31 . . .	. . .	. . .	. . .
26	Moon II, N.	11	49 37.24	- 0.47	-21.37	59 50 3.80	45.194	+ 38.0	56.8	19 49 15.40	-73.74	- 21 3 41.5	. . .
27	ϵ Aquilæ	11	59 34.30	- 0.40	-21.27	31 50 4.72	48.796	+ 35.4	57.1	19 59 . . .	. . .	. . .	. . .
June 6, Br.													
28	α Ursæ Minoris . . .	5	21 45.64	- 3.82	[-21.63]	310 6 2.00	46.903	- 6.2	[56.9]	1 21 . . .	. . .	. . .	. . .
29	β Arietis	9	49 23.30	- 0.46	-21.14	18 32 3.58	45.822	+ 18.8	56.9	1 49 . . .	. . .	. . .	. . .
30	α Arietis	11	1 48.36	- 0.46	-21.14	15 52 3.40	45.188	+ 16.0	56.0	2 1 . . .	. . .	. . .	. . .
31	α Ceti	8	57 19.59	- 0.49	-21.10	35 10 4.18	42.026	+ 39.2	56.5	2 56 . . .	. . .	. . .	. . .
32	Mercury C. C. . . .	11	33 16.51	- 0.47	-21.12	22 20 3.48	44.065	+ 22.8	57.2	3 32 54.92	- 0.08	+ 16 31 11.0	. . .
33	α Tauri	9	30 26.75	- 0.47	-21.12	22 32 3.45	46.769	+ 23.0	58.6	4 30 . . .	. . .	. . .	. . .
June 7, Br.													
34	Sun I, S.	11	2 18.48	- 0.45	-21.10	16 17 58.88	46.212	+ 16.1	57.7	5 1 56.93	+68.78	+ 22 32 43.1	. . .
35	Sun II, N.	11	4 36.04	- 0.45	-21.10	15 46 3.42	47.088	+ 15.6	57.7	5 4 14.49	-68.78	+ 23 4 19.2	. . .
36	α Orionis	11	50 1.60	- 0.48	-21.07	31 28 2.98	43.110	+ 33.6	56.9	5 49 . . .	. . .	. . .	. . .
37	γ Geminorum	11	32 12.03	- 0.47	-21.12	22 22 4.12	44.114	+ 22.6	59.0	6 31 . . .	. . .	. . .	. . .
38	Venus I, C.	6	6 49.15	- 0.46	-21.08	14 38 2.68	48.668	+ 14.4	58.3	7 6 27.61	+ 0.43	+ 24 11 52.9	. . .
39	Venus II	5	6 49.90	- 0.46	-21.08	. . .	. . .	. . .	. . .	7 6 28.36	- 0.32	. . .	. . .
40	α^2 Geminorum	11	28 28.65	- 0.45	-21.07	6 44 2.28	46.369	+ 6.5	58.7	7 28 . . .	. . .	. . .	. . .
41	β Geminorum	11	39 27.58	- 0.45	-21.06	10 34 1.85	47.432	+ 10.3	58.2	7 39 . . .	. . .	. . .	. . .
42	Uranus C. C.	11	55 25.51	- 0.53	-21.14	59 0 3.78	47.082	+ 33.4	58.6	15 55 38.4	. . .	- 20 10 56.0	. . .
43	β^1 Scorpii	11	59 55.91	- 0.52	-21.19	58 21 53.30	44.239	+ 31.0	59.5	15 59 . . .	. . .	. . .	. . .
44	δ Ophiuchi	11	9 25.22	- 0.47	-21.12	42 16 5.08	46.568	+ 51.1	58.6	16 9 . . .	. . .	. . .	. . .
45	α Scorpii	11	23 35.05	- 0.55	-21.19	65 2 3.90	44.406	+ 0.4	58.3	16 23 . . .	. . .	. . .	. . .
46	Saturn I, N.	6	28 1.02	- 0.52	-21.15	58 37 57.35	49.122	+ 32.2	58.6	16 27 39.35	+ 0.66	- 19 49 27.4	. . .
47	Saturn II, S.	5	28 2.34	- 0.52	-21.15	58 37 57.35	50.085	+ 32.2	58.6	16 27 40.67	- 0.66	- 19 49 46.0	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
5 1 51	29.988	70.0	68.0	6, 34.	Bisections at I, II.	4	+ 3.5	. . .	- 0.4	+ 3.1
2 4	29.990	70.4	68.2	7, 22, 35.	Bisections at VI, VII.	6	+ 2.4	+15 48.0	. . .	+15 50.4
2 59	29.992	74.0	72.0	11, 21, 36, 46.	Bisections at I, VII.	7	+ 2.4	-15 47.9	. . .	-15 45.5
3 30	29.990	74.9	72.5	12, 20, 47.	Bisections at II, VI.	11	+ 1.5	+ 6.1	0.0	+ 7.6
4 33	29.990	77.1	75.8	13.	Bisections at II, VI, VII.	12	+ 1.5	+ 6.2	. . .	+ 4.7
5 53	29.978	79.0	77.7	14.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	16	+ 0.4	. . .	. . .	+ 0.4
6 35	29.964	79.9	78.4	26.	Bisections at II, III, IV, V, VI.	20	+ 0.9	- 9.3	. . .	- 8.4
7 5	29.958	80.0	78.7	26.	Z. D. thread A used.	21	+ 0.9	+ 9.3	. . .	+ 10.2
7 31	29.950	80.9	78.9	28.	Bisections at C ₂ , C ₃ , C ₄ .	26	+ 52 17.8	-16 32.4	. . .	+35 45.4
13 27	29.942	74.0	71.9	29.	Bisections at I, II, VII.	32	+ 3.3	. . .	- 0.4	+ 2.9
15 41	29.954	70.1	67.7			34	+ 2.4	+15 48.0	. . .	+15 50.4
16 36	29.950	68.0	65.7			35	+ 2.3	-15 48.0	. . .	-15 45.7
19 7	29.944	64.9	61.6			38	+ 1.5	. . .	0.0	+ 1.5
19 45	29.938	63.5	60.9			42	+ 0.4	. . .	. . .	+ 0.4
1 33	29.990	72.2	69.9			46	+ 0.9	- 9.3	. . .	- 8.4
2 28	. . .	. . .	71.8			47	+ 0.9	+ 9.3	. . .	+ 10.2
3 4	29.992	76.0	73.9							
4 25	29.998	79.5	77.9							
5 5	29.99	80.3	79.9							
5 48	29.984	81.8	80.0							
7 14	29.972	84.1	81.6							
7 42	29.970	85.0	82.1							
15 48	29.944	70.5	67.7							
16 38	29.948	68.8	66.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	π Aquarii	11	20 27.69	-0.50	-20.45	37 58 4.82	47.435	+	43.7	58.8	22 20 . . .		. . .
2	η Aquarii	11	30 30.49	-0.50	-20.44	39 28 5.58	47.738	+	46.1	58.0	22 30 . . .		. . .
3	Moon II, N.	11	38 58.51	-0.53	-20.42	43 30 4.22	48.317	+	53.1	58.1	22 38 37.56	-65.83	-4 40 40.5
4	λ Aquarii	11	47 41.15	-0.54	-20.40	46 58 4.20	42.998	+	59.8	57.7	22 47 . . .		. . .
5	α Pegasi	11	0 3.96	-0.45	-20.40	24 12 4.32	42.926	+	25.1	58.0	22 59 . . .		. . .
June 9, B.													
6	γ Ceti	9	38 22.84	-0.50	-20.15	36 2 . .	. . .	+	. . .	2 38 . . .			. . .
7	Mercury C, C.	11	51 37.23	-0.48	-20.14	20 50 3.50	46.314	+	21.0	60.4	3 51 16.61	-0.06	+18 0 32.8
June 10, B.													
8	Sun I, N.	11	14 42.05	-0.47	-20.14	15 32 1.38	44.398	+	15.2	60.4	5 14 21.44	+68.79	+23 19 18.9
9	Sun II, S.	7	16 59.63	-0.47	-20.14	16 4 1.60	42.998	+	15.8	60.4	5 16 39.02	-68.79	+22 47 42.0
10	μ Geminorum	10	17 9.28	-0.47	-20.09	16 16 1.58	48.397	+	16.0	60.3	6 16 . . .		. . .
11	α Canis Majoris	11	41 0.62	-0.55	-20.17	55 24 0.80	47.102	+	18.8	60.3	6 40 . . .		. . .
12	Venus I, C.	6	22 31.62	-0.47	-20.12	15 2 0.62	48.499	+	14.7	60.4	7 22 11.03	+0.47	+23 48 0.1
13	Venus II	5	22 32.44	-0.47	-20.12		. . .	+	. . .	. . .	7 22 11.85	-0.35	
14	α Canis Minoris	11	34 19.67	-0.49	-20.10	33 22 1.60	43.959	+	35.8	60.9	7 33 . . .		. . .
15	β Geminorum	11	39 26.67	-0.47	-20.14	10 34 1.10	47.572	+	10.2	59.9	7 39 . . .		. . .
16	γ Virginis	11	5 3.64	-0.57	-20.07	43 50 2.58	46.291	+	52.8	59.6	13 4 . . .		. . .
17	α Virginis	11	20 12.74	-0.59	-20.00	49 28 1.95	46.057	+	4.4	60.0	13 19 . . .		. . .
18	Ursæ Minoris s. p.	6	21 35.70	+2.31	[-14.85]	307 38 1.55	46.010	-	11.1	[60.7]	1 21 . . .		. . .
19	ζ Virginis	11	29 53.25	-0.55	-19.97	38 53 56.55	49.420	+	44.5	60.9	13 29 . . .		. . .
20	α Serpentis	11	39 38.55	-0.53	-19.95	32 6 3.42	45.318	+	34.9	58.6	15 39 . . .		. . .
21	ε Serpentis	11	46 7.82	-0.54	-19.92	34 4 3.20	44.321	+	37.6	59.8	15 45 . . .		. . .
22	δ Ophiuchi	11	9 24.10	-0.56	-19.89	42 16 3.25	46.722	+	50.6	59.4	16 9 . . .		. . .
23	α Scorpii	11	23 33.90	-0.67	-19.89	65 2 3.35	44.559	+	59.1	59.3	16 23 . . .		. . .
24	Saturn I, S.	6	27 5.52	-0.63	-19.88	58 38 2.10	44.562	+	31.2	59.4	16 26 45.01	+0.69	19 48 2.9
25	Saturn II, N.	5	27 6.90	-0.63	-19.88	58 38 2.10	43.605	+	31.1	59.4	16 26 46.39	-0.69	-19 47 44.6
26	ζ Ophiuchi	11	31 56.75	-0.59	-19.83	49 12 3.92	45.081	+	4.5	59.8	16 31 . . .		. . .
June 10, Po.													
27	Mercury C.					20 20 0.95	46.165	+	20.4	59.4	3 57 . . .		+18 30 37.6
June 11, Po.													
28	Sun I, N.	11	18 50.44	-0.44	-20.05	15 28 3.40	43.782	+	15.2	59.4	5 18 29.95	+68.78	+23 23 27.7
29	Sun II, S.	6	21 8.00	-0.44	-20.05	15 59 59.30	42.325	+	15.7	59.4	5 20 47.51	-68.78	+22 51 56.3
30	Venus I, C.	6	27 44.20	-0.44	-19.96	15 11 59.02	46.521	+	14.8	59.4	7 27 23.80	+0.39	+23 38 38.5
31	Venus II	5	27 44.88	-0.44	-19.96		. . .	+	. . .	. . .	7 27 24.48	-0.29	
32	α Canis Minoris	11	34 19.56	-0.46	-20.02	33 22 1.92	43.876	+	35.8	59.7	7 33 . . .		. . .
33	β Geminorum	5	39 26.38	-0.44	-19.88	10 34 2.35	47.448	+	10.2	59.2	7 39 . . .		. . .
34	γ Virginis	11	5 3.25	-0.48	-19.78	43 50 1.72	46.422	+	52.5	60.9	13 4 . . .		. . .
35	α Ursæ Minoris s. p.	8	21 37.96	+7.18	[-21.12]	307 37 59.48	46.089	-	10.6	[60.8]	1 21 . . .		. . .
36	ζ Virginis	11	29 52.81	-0.47	-19.61	38 54 2.28	49.201	+	44.2	60.8	13 29 . . .		. . .
37	ε Serpentis	11	46 7.37	-0.46	-19.64	34 4 3.58	44.314	+	37.3	59.9	15 45 . . .		. . .
38	Uranus C, C.	11	54 45.56	-0.52	-19.62	58 58 1.30	47.839	+	31.4	60.9	15 54 25.42		20 9 3.7
39	β Scorpii	11	59 54.49	-0.52	-19.74	58 22 1.28	44.058	+	29.2	62.2	15 59 . . .		. . .
40	δ Ophiuchi	11	9 23.77	-0.48	-19.64	42 16 3.08	46.818	+	50.1	60.7	16 9 . . .		. . .
41	α Scorpii	11	23 33.53	-0.54	-19.64	65 2 2.18	44.758	+	58.0	60.8	16 23 . . .		. . .
42	Saturn I, N.	6	26 47.27	-0.52	-19.61	58 36 1.10	48.210	+	30.3	60.9	16 26 27.14	+0.74	-19 47 9.5
43	Saturn II, S.	5	26 48.74	-0.52	-19.61	58 36 1.10	49.205	+	30.3	60.9	16 26 28.61	-0.73	-19 47 28.7
44	ζ Ophiuchi	11	31 56.33	-0.49	-19.50	49 11 57.50	45.515	+	3.9	61.1	16 31 . . .		. . .
45	ω Piscium	11	54 26.65	-0.46	-19.62	32 31 57.65	47.239	+	35.2	60.4	23 54 . . .		. . .
46	α Andromedæ	11	3 28.95	-0.46	-19.61	10 20 0.95	43.304	+	10.1	59.2	0 3 . . .		. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
9 22 23	29.874	71.0	68.7	3.	Bisections at B ₃ , C ₃ , D ₁ .	3	+39 50.9	-15 51.1	. . .	+23 59.8
22 55	29.884	71.2	69.9	8, 28.	Bisections at I, II.	7	+	2.9	. . .	+ 2.6
3 55	29.938	82.0	79.5	9, 19, 29.	Bisections at VI, VII.	8	+	2.3	-0.3	-15 46.1
5 17	29.940	84.8	82.7	10.	Bisections at II, VI, VII.	9	+	2.4	. . .	+15 50.8
6 21	29.936	85.8	83.3	17.	Bisections at I, II, VI.	12	+	1.6	-0.1	+ 1.5
7 17	29.936	88.0	84.9	18.	Bisections at C ₃ , C ₂ , C ₁ .	24	+	0.9	. . .	+10.0
7 45	29.936	88.8	84.7	24, 42.	Bisections at I, VII.	25	+	0.9	. . .	+ 8.3
13 0	29.914	79.8	78.1	25, 43.	Bisections at II, VI.	27	+	2.8	-0.3	+ 2.5
13 36	29.916	78.0	77.1	27, 33.	Bisections at I, VI, VII.	28	+	2.3	. . .	-15 43.4
15 34	29.928	75.2	73.2	35.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	29	+	2.4	. . .	+15 48.0
16 40	29.924	73.4	71.9			30	+	1.6	-0.1	+ 1.5
4 3	29.926	78.5	79.4			38	+	0.4	. . .	+ 0.4
5 21	29.916	81.8	81.2			42	+	0.9	. . .	+ 8.7
7 22	29.900	83.4	84.1			43	+	0.9	. . .	+10.5
7 41	29.892	85.0	85.0							
13 0	29.830	81.2	79.9							
13 35	29.828	80.0	78.9							
15 33	29.834	77.9	76.4							
16 35	29.834	76.7	75.2							
23 45	29.834	74.8	74.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	γ Pegasi	11	8 21.15	-0.46	-19.66	24 14 3.28	44.232	+ 24.8	59.7	0 8 . .	.	.	.
2	Moon II, N.	11	17 23.93	-0.47	-19.62	31 46 3.00	43.216	+ 34.1	59.8	0 17 3.84	-64.17	+ 7 5 19.2	.
3	β Andromedæ	11	4 22.96	-0.46	-19.60	3 46 1.28	46.374	+ 3.7	60.1	1 4 . .	.	.	.
4	α Ursæ Minoris June 12, S.	8	21 55.85	-7.63	[-13.75]	310 5 59.80	47.088	- 1 4.7	[59.4]	1 21 . .	.	.	.
5	α Andromedæ	11	3 28.40	-0.42	-19.07	10 20 0.65	43.239	+ 10.1	57.9	0 3 . .	.	.	.
6	γ Pegasi	11	8 20.58	-0.43	-19.09	24 14 3.28	44.139	+ 25.0	58.3	0 8 . .	.	.	.
7	Moon II, N.	11	5 57.19	-0.44	-19.11	26 28 2.85	44.848	+ 27.4	58.4	1 5 37.64	-64.42	+ 12 22 53.4	.
8	α Ursæ Minoris	8	21 52.45	-5.21	[-21.81]	310 6 0.78	46.991	- 1 4.7	[58.4]	1 21 . .	.	.	.
9	β Arietis	11	49 21.45	-0.42	-19.15	18 32 1.82	45.965	+ 18.4	58.9	1 49 . .	.	.	.
10	α Arietis June 12, Br.	8	1 46.49	-0.42	-19.13	15 52 . .	.	.	.	2 1 . .	.	.	.
11	γ Ceti	11	38 21.91	-0.45	-19.19	36 2 2.82	45.383	+ 39.6	61.0	2 38 . .	.	.	.
12	α Ceti	11	57 17.82	-0.45	-19.24	35 10 2.70	42.299	+ 38.2	60.1	2 56 . .	.	.	.
13	Mercury C, C.	7	12 0.13	-0.45	-19.23	19 20 1.50	46.827	+ 19.0	60.2	4 11 40.45	-0.05	+ 19 30 26.5	.
14	α Tauri June 13, Br.	11	30 24.91	-0.45	-19.20	22 32 2.75	46.864	+ 22.5	59.5	4 30 . .	.	.	.
15	Sun N.	.	.	.	.	15 20 1.25	46.185	+ 14.8	60.2	5 27 . .	.	+ 23 30 42.1	.
16	α Orionis	11	49 59.82	-0.45	-19.27	31 28 3.42	43.228	+ 33.0	60.0	5 49 . .	.	.	.
17	α Ursæ Minoris s. p.	11	21 39.73	+ 4.87	[-18.67]	307 38 1.55	45.918	- 1 11.2	[59.3]	1 21 . .	.	.	.
18	ϵ Serpentis	11	46 6.86	-0.46	-19.03	34 4 4.32	44.314	+ 37.4	61.0	15 45 . .	.	.	.
19	Uranus C, C.	11	54 26.05	-0.53	-19.04	58 58 3.20	44.869	+ 1 31.8	60.6	15 54 6.48	.	- 20 8 9.4	.
20	β Scorpii	11	59 53.84	-0.53	-19.07	58 22 2.55	43.944	+ 1 29.6	61.7	15 59 . .	.	.	.
21	δ Ophiuchi	11	9 23.15	-0.48	-19.01	42 16 3.88	46.741	+ 50.3	60.4	16 9 . .	.	.	.
22	α Scorpii	11	23 32.86	-0.56	-18.94	65 2 3.50	44.768	+ 1 58.4	61.3	16 23 . .	.	.	.
23	Saturn I, N.	6	26 10.75	-0.53	-19.02	58 35 55.58	44.932	+ 1 30.5	60.6	16 25 51.20	+ 0.68	- 19 46 1.6	.
24	Saturn II, S.	5	26 12.10	-0.53	-19.02	58 35 55.58	45.965	+ 1 30.5	60.6	16 25 52.55	-0.67	- 19 46 21.5	.
25	η Herculis	11	39 46.72	-0.43	-19.03	359 44 1.70	46.399	- 0.2	59.1	16 39 . .	.	.	.
26	d Herculis	11	58 13.24	-0.43	-19.03	5 8 3.15	46.168	+ 5.0	60.1	16 57 . .	.	.	.
27	B. D. +49°, 2583 June 13, La.	11	2 30.21	-0.44	-19.01	349 53 57.65	48.070	- 9.8	60.6	17 2 10.76	-3.32	+ 48 56 35.6	+ 4.9
28	β Andromedæ	11	4 22.11	-0.50	-18.65	3 46 1.28	46.215	+ 3.7	58.7	1 4 . .	.	.	.
29	α Ursæ Minoris	5	21 51.64	-8.80	[-16.40]	310 5 59.92	47.048	- 1 4.9	[58.3]	1 21 . .	.	.	.
30	β Arietis	11	49 21.18	-0.49	-18.78	18 32 1.38	46.034	+ 18.4	59.5	1 49 . .	.	.	.
31	Moon II	11	55 21.74	-0.49	-18.72	22 6 . .	.	.	.	1 55 2.53	-65.17	.	.
32	α Arietis June 14, La.	11	1 46.22	-0.49	-18.75	15 52 1.00	45.482	+ 15.6	59.5	2 1 . .	.	.	.
33	Sun I	9	31 16.20	-0.49	-18.68	.	.	.	.	5 30 57.03	+68.95	.	.
34	Sun II, N.	11	33 34.09	-0.49	-18.68	15 16 3.05	49.362	+ 14.8	59.7	5 33 14.92	-68.94	+ 23 33 38.8	.
35	α Canis Majoris	11	40 59.14	-0.52	-18.71	55 23 59.88	47.135	+ 1 18.0	60.0	6 40 . .	.	.	.
36	α^2 Geminorum	11	28 26.35	-0.50	-18.72	6 44 2.85	46.454	+ 6.4	60.4	7 28 . .	.	.	.
37	α Canis Minoris	9	34 18.21	-0.49	-18.64	33 22 3.65	43.796	+ 35.5	59.7	7 33 . .	.	.	.
38	β Geminorum	11	39 25.14	-0.49	-18.58	10 34 1.75	47.549	+ 10.1	59.8	7 39 . .	.	.	.
39	Venus I, C.	6	43 15.00	-0.49	-18.65	15 44 2.90	46.176	+ 15.2	59.7	7 42 55.86	+ 0.49	+ 23 6 41.1	.
40	Venus II	5	43 15.84	-0.49	-18.65	.	.	.	.	7 42 56.70	-0.35	.	.
41	α Ursæ Minoris s. p.	8	21 37.45	+ 7.03	[-17.51]	307 38 3.02	45.784	- 1 10.0	[59.5]	1 21 . .	.	.	.
42	ζ Virginis	11	29 51.71	-0.51	-18.50	38 54 5.88	48.985	+ 43.9	60.2	13 29 . .	.	.	.
43	η Bootis	11	50 11.66	-0.50	-18.43	19 56 3.50	46.889	+ 19.8	59.5	13 49 . .	.	.	.
44	α Serpentis	11	39 37.05	-0.50	-18.47	32 6 6.72	45.231	+ 34.3	60.1	15 39 . .	.	.	.
45	ϵ Serpentis	11	46 6.31	-0.51	-18.43	34 4 4.05	44.332	+ 37.0	60.8	15 45 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
11 0 20	29.828	76.5	76.5	2, 7.	Bisections at II, III, IV, V, VI.	2	+29 32.4	-15 23.6	.	+14 8.8
1 17	29.834	79.0	79.5	4, 8, 29, 41.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	7	+24 41.3	-15 12.3	.	+9 29.0
12 23 55	29.781	73.1	71.6	9, 11.	Bisections at I, VI, VII.	13	+ 2.6	.	- 0.2	+ 2.4
2 4	29.824	81.7	81.3	13, 16.	Bisections at II, VI, VII.	15	+ 2.3	-15 46.6	.	-15 44.3
2 32	29.828	83.5	82.0	15, 28, 34.	Bisections at VI, VII.	19	+ 0.4	.	.	+ 0.4
3 2	29.828	85.0	83.8	17.	Bisections at C ₅ , C ₃ .	23	+ 0.9	- 9.9	.	- 9.0
4 26	29.818	87.0	85.9	22.	Bisections at I, II.	24	+ 0.9	+ 10.0	.	+ 10.9
5 29	29.800	88.8	88.0	23.	Bisections at I, VII.	34	+ 2.3	-15 45.4	.	-15 43.1
6 30	29.792	88.5	86.9	24.	Bisections at II, VI.	39	+ 1.7	.	- 0.1	+ 1.6
13 34	29.750	76.0	73.4							
15 36	29.756	74.8	72.8							
16 16	29.742	74.0	72.2							
16 50	29.732	73.5	71.8							
1 14	29.772	76.2	75.8							
2 5	29.788	79.7	78.9							
5 31	29.800	86.0	85.1							
6 46	29.796	87.8	86.6							
7 43	29.786	88.8	87.2							
13 27	29.782	83.8	82.1							
13 53	29.788	82.8	81.7							
15 40	29.792	80.2	79.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrument.	Clock.								
1	Uranus I, C.	6	m s 54 16.07	s -0.57	-18.41	58 58 1.78	43.640	+ 1 30.7	59.9	15 53 57.09	+ 0.19	- 20 7 44.0	. .
2	Uranus II	5	54 16.44	-0.57	-18.41					15 53 57.46	- 0.18		. .
3	Scorpii	11	59 53.24	-0.56	-18.44	58 22 1.12	44.019	+ 1 28.6	60.7	15 59 . . .			. .
4	Ophiuchi	11	9 22.61	-0.52	-18.42	42 16 3.20	46.727	+ 49.8	59.6	16 9 . . .			. .
5	Herculis	11	17 2.66	-0.53	-18.30	352 18 0.68	45.504	- 7.3	59.3	16 16 . . .			. .
6	Saturn I, S.	5	25 52.82	-0.57	-18.39	58 36 1.22	43.975	+ 1 29.6	59.9	16 25 33.86	+ 0.69	- 19 45 50.0	. .
7	Saturn II, N.	6	25 54.20	-0.57	-18.39	58 36 1.22	42.990	+ 1 29.6	59.9	16 25 35.24	- 0.69	- 19 45 31.5	. .
8	Ophiuchi	11	31 55.31	-0.54	-18.42	49 12 2.02	45.286	+ 1 3.5	61.0	16 31 . . .			. .
9	Herculis	11	39 46.13	-0.51	-18.36	359 43 56.92	46.614	- 0.2	58.8	16 39 . . .			. .
10	Herculis	11	58 12.58	-0.50	-18.35	5 8 2.65	46.144	+ 5.0	59.4	16 57 . . .			. .
11	B. D. + 49°, 2583	11	2 29.51	-0.54	-18.38	349 54 1.08	47.809	- 9.7	59.9	17 2 10.59	- 3.32	+ 48 56 36.4	+ 4.6
June 14, S.													
12	β Arietis	11	49 20.77	-0.39	-18.44	18 32 1.50	45.995	+ 18.5	59.1	1 49 . . .			. .
13	α Arietis	11	1 45.72	-0.39	-18.34	15 52 1.68	45.394	+ 15.7	58.8	2 1 . . .			. .
June 15, S.													
14	Sun S.	. . .		. . .	. . .	15 45 58.85	46.495	+ 15.5	59.0			+ 23 4 39.5	. .
15	Sun II, N.	11	37 42.97	-0.39	-18.33	15 13 56.78	47.998	+ 15.0	59.0	5 37 24.25	-68.83	+ 23 36 10.4	. .
16	α Canis Minoris	11	34 17.78	-0.40	-18.30	33 22 2.80	43.784	+ 36.0	59.2	7 33 . . .			. .
June 19, Br.													
17	α Ceti	11	57 16.05	-0.43	-17.31	35 10 4.00	41.989	+ 39.3	57.8	2 56 . . .			. .
18	η Tauri	11	41 44.39	-0.37	-17.28	15 4 2.90	43.584	+ 15.0	58.0	3 41 . . .			. .
19	ζ Persei	11	48 2.34	-0.35	-17.30	7 16 2.45	45.771	+ 7.1	57.7	3 47 . . .			. .
20	α Tauri	11	30 23.13	-0.39	-17.34	22 32 4.72	46.584	+ 23.1	57.1	4 30 . . .			. .
21	Mercury C, C.	11	7 38.23	-0.37	-17.29	16 12 3.30	48.064	+ 16.2	58.1	5 7 20.57	- 0.02	+ 22 38 1.9	. .
June 20, Br.													
22	Sun I, N.	11	56 12.26	-0.37	-17.28	15 8 0.75	45.818	+ 15.0	58.1	5 55 54.61	+68.97	+ 23 42 50.2	. .
23	Sun II, S.	11	58 30.20	-0.37	-17.28	15 40 6.95	43.890	+ 15.5	58.1	5 58 12.55	-68.97	+ 23 11 17.6	. .
24	α Geminorum	11	28 24.72	-0.35	-17.22	6 44 2.38	46.389	+ 6.5	58.3	7 28 . . .			. .
25	β Geminorum	11	39 23.70	-0.36	-17.26	10 34 1.88	47.431	+ 10.3	57.6	7 39 . . .			. .
26	Venus I, C.	6	13 47.47	-0.38	-17.25	17 6 1.82	43.465	+ 16.9	58.1	8 13 29.84	+ 0.35	+ 21 45 30.9	. .
27	Venus II.	5	13 48.06	-0.38	-17.25					8 13 30.43	- 0.24		. .
28	α Hydrae	11	22 53.68	-0.48	-17.23	47 4 2.55	43.560	+ 58.6	59.1	9 22 . . .			. .
29	ε Leonis	11	40 23.32	-0.37	-17.27	14 36 2.40	46.636	+ 14.2	59.2	9 40 . . .			. .
30	α Canum Venat.	11	51 35.80	-0.43	-17.17	359 58 1.52	48.740	+ 0.1	[57.2]	12 51 . . .			. .
31	α Ursæ Minoris s. p.	9	21 45.04	+ 4.33	[-16.03]	307 38 1.95	45.868	- 1 11.0	[59.3]	1 21 . . .			. .
32	ε Serpentis	11	46 5.07	-0.47	-17.22	34 4 4.48	44.172	+ 37.6	59.4	15 45 . . .			. .
33	Uranus C, C.	11	53 21.70	-0.54	-17.27	58 54 3.30	47.761	+ 1 32.2	58.4	15 53 3.89		- 20 5 7.5	. .
34	β Scorpii	11	59 52.12	-0.54	-17.33	58 21 57.95	44.012	+ 1 30.2	59.0	15 59 . . .			. .
35	δ Ophiuchi	11	9 21.43	-0.48	-17.27	42 16 4.00	46.582	+ 50.6	58.4	16 9 . . .			. .
36	Saturn I, N.	6	24 9.05	-0.54	-17.27	58 32 3.38	45.368	+ 1 30.9	58.4	16 23 51.24	+ 0.64	- 19 42 20.3	. .
37	Saturn II, S.	5	24 10.34	-0.54	-17.27	58 32 3.38	46.362	+ 1 30.9	58.4	16 23 52.53	- 0.65	- 19 42 39.6	. .
38	ζ Ophiuchi	11	31 54.13	-0.51	-17.24	49 12 3.60	44.982	+ 1 4.5	58.1	16 31 . . .			. .
39	η Herculis	11	39 44.93	-0.43	-17.24	359 44 0.78	46.268	- 0.2	57.8	16 39 . . .			. .
40	δ Herculis	11	58 11.50	-0.43	-17.31	5 8 3.35	45.940	+ 5.1	58.0	16 57 . . .			. .
41	B. D. + 49°, 2583	11	2 28.36	-0.44	-17.27	349 54 1.55	47.612	- 9.8	58.4	17 2 10.65	- 3.32	+ 48 56 37.8	+ 2.6
June 21, L.													
42	α Ursæ Minoris s. p.	8	21 50.16	- 3.43	[-12.44]	307 38 2.65	45.903	- 1 12.4	[59.3]	1 21 . . .			. .
43	η Bootis	11	50 10.19	-0.44	-17.08	19 56 4.50	46.588	+ 20.5	56.3	13 49 . . .			. .
44	Uranus I, C.	6	53 12.87	-0.66	-17.13	58 54 3.35	46.339	+ 1 33.7	58.8	15 52 55.08	+ 0.22	- 20 4 43.4	. .
45	Uranus II	5	53 13.30	-0.66	-17.13					15 52 55.51	- 0.21		. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				/' "	/' "	''	/' "
14	16 43	29.796	78.8	77.5	4, 41.	Bisections at II, VI, VII.	1	+	0.4	. . .	+ 0.4
17	5	29.800	78.4	76.9	6.	Bisection at VI.	6	+	0.9	+ 9.3	+ 10.2
15	1 51	29.913	79.8	78.9	7.	Bisection at VII.	7	+	0.9	+ 9.2	- 8.3
19	5 38	29.964	82.6	80.6	14, 22.	Bisections at I, II.	14	+	2.4	+15 45.4	+15 47.8
19	2 47	29.953	85.6	82.8	15, 23.	Bisections at VI, VII.	15	+	2.3	-15 45.4	-15 43.1
20	4 24	29.730	69.5	67.6	31.	Bisections at C ₅ , C ₃ , C ₁ .	21	+	2.0	. . .	+ 2.0
20	5 16	29.732	72.5	70.4	36.	Bisections at I, VII.	22	+	2.3	-15 46.3	-15 44.0
20	5 55	29.730	73.5	71.9	37.	Bisections at II, VI.	23	+	2.3	+15 46.3	+15 48.6
20	7 44	29.714	74.9	73.2	42.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	26	+	1.9	. . .	+ 1.7
20	8 19	29.716	80.2	77.0			33	+	0.4	. . .	+ 0.4
20	9 12	29.704	79.7	78.4			36	+	0.9	- 9.6	- 8.7
20	9 43	29.695	80.0	79.9			37	+	0.9	+ 9.7	+ 10.6
20	12 55	29.680	77.2	75.0			44	+	0.4	. . .	+ 0.4
20	13 33	29.674	74.5	72.9							
20	15 38	29.682	70.2	68.6							
20	16 51	. . .	. . .	67.1							
20	17 10	29.660	68.5	66.6							
21	13 28	29.778	67.8	64.8							
21	15 45	29.812	64.9	61.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β^1 Scorpii	11	59 52.05	-0.65	-17.15	58 22 2.98	43.614	+ 1 31.8	58.0	15 59 . . .	.	.	.
2	δ Ophiuchi	11	9 21.35	-0.55	-17.12	42 16 4.45	46.448	+ 51.6	57.4	16 9 . . .	.	.	.
3	Saturn I, S.	6	23 52.52	-0.66	-17.14	58 32 3.35	44.778	+ 1 32.6	56.8	16 23 34.72	+ 0.72	- 19 42 12.3	.
4	Saturn II, N.	5	23 53.96	-0.66	-17.14	58 32 3.35	43.740	+ 1 32.6	56.8	16 23 36.16	- 0.72	- 19 41 52.5	.
5	ζ Ophiuchi	11	31 54.07	-0.59	-17.09	49 12 4.90	44.795	+ 1 5.8	57.1	16 31 . . .	.	.	.
6	κ Ophiuchi	11	53 11.68	-0.48	-17.21	29 18 4.42	47.446	+ 32.0	56.2	16 52 . . .	.	.	.
7	d Herculis	11	58 11.30	-0.38	-17.16	5 8 3.55	45.810	+ 5.2	56.0	16 57 . . .	.	.	.
8	B. D. + 49°, 2583 . . .	11	2 28.35	-0.31	-17.16	349 54 2.40	47.548	- 10.0	56.8	17 2 10.88	- 3.31	+ 48 56 37.2	+ 2.4
June 21, S.													
9	α Ceti	11	57 15.71	-0.35	-17.00	35 10 3.18	41.946	+ 39.7	56.9	2 56 . . .	.	.	.
10	ζ Persei	11	48 1.93	-0.29	-16.90	7 16 2.62	45.699	+ 7.2	56.6	3 47 . . .	.	.	.
11	β Tauri	11	20 9.29	-0.29	-16.90	10 20 2.75	44.269	+ 10.2	56.8	5 19 . . .	.	.	.
12	Mercury C, C.	11	25 26.97	-0.30	-16.96	15 32 1.92	44.832	+ 15.5	56.6	5 25 9.71	- 0.01	+ 23 19 4.5	.
June 22, S.													
13	Sun II, N.	11	6 49.05	-0.30	-16.97	15 8 9.68	45.982	+ 15.1	56.6	6 6 31.78	-68.86	+ 23 42 33.7	.
14	α Hydræ	11	22 53.45	-0.39	-17.10	47 4 2.30	43.290	+ 59.4	56.1	9 22 . . .	.	.	.
15	ϵ Leonis	9	40 22.94	-0.30	-16.97	14 36 2.92	46.420	+ 14.4	56.8	9 40 . . .	.	.	.
16	α Ursæ Minoris s. p. . .	8	21 49.40	+ 1.70	[-15.91]	307 38 2.85	45.770	- 1 11.8	[57.7]	1 21 . . .	.	.	.
17	η Bootis	11	50 9.95	-0.34	[-16.95]	19 56 3.25	46.679	+ 20.3	56.8	13 49 . . .	.	.	.
18	Uranus C, C.	11	53 4.45	-0.45	-17.14	58 54 3.28	44.995	+ 1 34.3	56.2	15 52 46.86	.	- 20 4 18.8	.
19	β^1 Scorpii	7	59 51.87	-0.45	-17.16	58 22 2.05	43.568	+ 1 32.3	56.3	15 59 . . .	.	.	.
20	δ Ophiuchi	11	9 21.24	-0.39	-17.17	42 16 4.50	46.371	+ 51.9	56.3	16 9 . . .	.	.	.
21	Saturn I, S.	6	23 36.28	-0.45	-17.15	58 30 3.70	49.365	+ 1 33.1	56.2	16 23 18.68	+ 0.70	- 19 41 41.9	.
22	Saturn II, N.	5	23 37.68	-0.45	-17.15	58 30 3.70	48.358	+ 1 33.1	56.2	16 23 20.08	- 0.70	- 19 41 22.4	.
23	ζ Ophiuchi	11	31 53.99	-0.41	-17.19	49 12 3.60	44.776	+ 1 6.2	56.0	16 31 . . .	.	.	.
24	η Herculis	11	39 44.64	-0.31	-17.07	359 44 3.00	46.016	- 0.2	55.7	16 39 . . .	.	.	.
June 22, L.													
25	η Tauri	11	41 44.15	-0.36	-16.98	15 4 2.68	43.430	+ 15.2	55.1	3 41 . . .	.	.	.
26	ζ Persei	11	48 2.15	-0.34	-17.04	7 16 3.18	45.630	+ 7.2	55.9	3 47 . . .	.	.	.
27	ϵ Tauri	11	22 58.52	-0.37	-17.07	19 54 2.52	43.636	+ 20.4	55.7	4 22 . . .	.	.	.
28	α Tauri	11	30 22.87	-0.38	-17.03	22 32 4.15	46.552	+ 23.4	56.4	4 30 . . .	.	.	.
29	Mercury C, C.	11	34 37.17	-0.36	-17.03	15 14 2.75	46.458	+ 15.3	56.3	5 34 19.78	- 0.01	+ 23 36 32.4	.
June 23, L.													
30	Sun I, N.	11	8 40.66	-0.36	-17.03	15 8 3.45	48.580	+ 15.1	56.3	6 8 23.27	+69.11	+ 23 41 52.6	.
31	Sun II, S.	11	10 58.88	-0.36	-17.03	15 40 3.18	47.210	+ 15.7	56.3	6 10 41.49	-69.11	+ 23 10 15.7	.
32	α^2 Geminorum	8	28 24.47	-0.34	-16.97	6 44 2.98	46.342	+ 6.6	57.3	7 28 . . .	.	.	.
33	α Canis Minoris	11	34 16.61	-0.41	-17.10	33 22 4.35	43.506	+ 36.6	56.5	7 33 . . .	.	.	.
34	β Geminorum	11	39 23.51	-0.35	-17.07	10 34 2.68	47.320	+ 10.4	56.1	7 39 . . .	.	.	.
35	Venus I, S.	6	28 46.82	-0.36	-17.03	17 54 4.10	45.748	+ 18.0	56.3	8 28 29.43	+ 0.67	+ 20 56 41.9	.
36	Venus II, N.	5	28 47.94	-0.36	-17.03	17 54 4.10	45.022	+ 18.0	56.3	8 28 30.55	- 0.45	+ 20 56 56.0	.
37	ϵ Hydræ	11	41 41.45	-0.41	-17.04	32 2 4.05	48.751	+ 34.7	56.7	8 41 . . .	.	.	.
38	α Hydræ	10	22 53.38	-0.46	-16.96	47 4 3.52	43.331	+ 59.3	56.7	9 22 . . .	.	.	.
39	Moon I, N.	11	38 14.15	-0.41	-17.03	28 14 6.30	45.893	+ 29.6	56.3	9 37 56.71	+62.96	+ 10 36 25.6	.
40	α Ursæ Minoris s. p. . .	7	21 49.23	+ 2.68	[-15.83]	307 37 59.98	45.967	- 1 11.8	[58.6]	1 21 . . .	.	.	.
41	η Bootis	11	50 10.05	-0.42	[-16.98]	19 56 2.98	46.664	+ 20.3	56.4	13 49 . . .	.	.	.
42	Uranus I, C.	6	52 56.03	-0.53	-17.06	58 54 3.58	43.828	+ 1 33.4	57.2	15 52 38.44	+ 0.22	- 20 3 54.8	.
43	Uranus II	5	52 56.48	-0.53	-17.06	.	.	.	.	15 52 38.89	- 0.23	.	.
44	β^1 Scorpii	11	59 51.88	-0.52	-17.10	58 22 4.00	43.585	+ 1 31.5	58.2	15 59 . . .	.	.	.
45	δ Ophiuchi	11	9 21.19	-0.47	-17.04	42 16 4.95	46.425	+ 51.4	57.4	16 9 . . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
21 17 8	29.838	61.6	59.7	3, 22, 35.	Bisections at I, VII.			3	+ 0.9	+ 9.9	.	+ 10.8	.
2 59	29.922	67.3	65.9	4, 21, 36.	Bisections at II, VI.			4	+ 0.9	- 9.9	.	- 9.0	.
5 12	29.910	72.1	71.9	13, 14, 31.	Bisections at VI, VII.			12	+ 1.9	.	0.0	+ 1.9	.
22 6 7	29.902	73.8	71.1	15.	Bisection at VI.			13	+ 2.3	-15 44.5	.	-15 42.2	.
9 26	29.867	76.9	75.1	16, 40.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .			18	+ 0.4	.	.	+ 0.4	.
9 45	29.865	76.9	75.3	19.	Bisections at I, II, VII.			21	+ 0.9	+ 9.8	.	+ 10.7	.
13 28	29.860	71.9	70.8	30.	Bisections at I, II.			22	+ 0.9	- 9.7	.	- 8.8	.
15 56	29.919	63.5	60.3	32.	Bisections at III, IV, V.			29	+ 1.8	.	0.0	+ 1.8	.
16 45	29.926	61.5	58.9	39.				30	+ 2.3	-15 48.4	.	-15 46.1	.
3 45	30.022	70.8	68.7					31	+ 2.3	+15 48.5	.	+15 50.5	.
4 27	30.028	71.8	69.5					35	+ 2.0	+ 7.1	- 0.1	+ 9.0	.
5 37	30.026	73.1	72.5					36	+ 2.0	+ 7.1	.	+ 5.1	.
23 6 11	30.018	74.5	74.0					39	+25 49.1	-14 58.4	.	+10 50.7	.
7 42	30.004	76.2	75.5					42	+ 0.4	.	.	+ 0.4	.
8 31	29.996	76.0	75.8										
9 47	29.980	78.4	78.8										
13 37	29.960	73.9	72.0										
15 56	29.932	67.5	65.0										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Saturn I, N.	5	23 20.24	-0.53	-17.06	58 30 3.92	47.002	+ 1 32.2	57.2	16 23 2.65	+ 0.73	- 19 40 54.7	. .
2	Saturn II, S.	6	23 21.70	-0.53	-17.06	58 30 3.92	47.960	+ 1 32.2	57.2	16 23 4.11	- 0.73	- 19 41 13.2	. .
3	ζ Ophiuchi	11	31 53.94	-0.49	-17.06	49 12 4.38	44.825	+ 1 5.5	57.1	16 31 . . .	. . .	. . .	. .
4	κ Ophiuchi	11	53 11.53	-0.44	-17.09	29 18 5.18	47.434	+ 1 31.9	56.9	16 52 . . .	. . .	. . .	. .
5	d Herculis	11	58 11.17	-0.40	-17.01	5 8 4.98	45.755	+ 1 5.1	56.9	16 57 . . .	. . .	. . .	. .
6	B. D. +49°, 2583. . .	11	2 28.15	-0.40	-17.06	349 54 4.18	47.429	- 10.0	57.2	17 2 10.69	- 3.31	+ 48 56 38.1	+ 1.8
June 23, K.													
7	η Tauri	11	41 44.15	-0.40	-16.91	15 4 2.12	43.574	+ 14.9	57.1	3 41 . . .	. . .	. . .	. .
8	ζ Persei	11	48 2.13	-0.40	-16.93	7 16 3.20	45.725	+ 7.1	57.7	3 47 . . .	. . .	. . .	. .
9	ε Tauri	11	22 58.50	-0.40	-17.00	19 54 4.15	43.668	+ 19.9	57.6	4 22 . . .	. . .	. . .	. .
10	α Tauri	11	30 22.86	-0.40	-16.97	22 32 3.05	46.724	+ 22.8	58.1	4 30 . . .	. . .	. . .	. .
11	Mercury II, C.	11	43 56.16	-0.40	-17.00	14 59 58.15	43.222	+ 14.6	58.4	5 43 38.76	- 0.19	+ 23 51 41.8	. .
June 24, K.													
12	Sun I, S.	11	12 50.39	-0.40	-17.01	15 42 1.22	44.768	+ 15.3	58.6	6 12 32.98	+68.94	+ 23 9 10.0	. .
13	Sun II, N.	11	15 8.26	-0.40	-17.01	15 10 5.72	45.975	+ 14.8	58.6	6 14 50.85	-68.93	+ 23 40 40.1	. .
14	α² Geminorum	11	28 24.59	-0.40	-17.02	6 44 3.40	46.450	+ 6.4	60.2	7 28 . . .	. . .	. . .	. .
15	α Canis Minoris	11	34 16.57	-0.41	-17.06	33 22 5.42	43.674	+ 35.5	59.8	7 33 . . .	. . .	. . .	. .
16	β Geminorum	11	39 23.55	-0.40	-17.06	10 34 1.25	47.580	+ 10.1	59.4	7 39 . . .	. . .	. . .	. .
17	Venus I, C.	11	33 44.11	-0.40	-17.04	18 12 2.18	43.668	+ 17.7	59.7	8 33 26.67	+ 0.46	+ 20 39 27.5	. .
18	ε Leonis	11	40 23.14	-0.40	-17.09	14 36 1.98	46.675	+ 14.0	59.2	9 40 . . .	. . .	. . .	. .
19	μ Leonis	11	47 17.15	-0.40	-17.01	12 22 0.45	44.986	+ 11.8	60.0	9 46 . . .	. . .	. . .	. .
20	α Leonis	11	3 15.78	-0.40	-17.06	26 22 2.75	48.425	+ 26.6	60.8	10 2 . . .	. . .	. . .	. .
21	γ¹ Leonis	11	14 40.38	-0.40	-16.98	18 30 0.75	44.109	+ 17.9	59.7	10 14 . . .	. . .	. . .	. .
22	Moon I, N.	11	24 45.11	-0.42	-17.04	33 30 2.20	42.020	+ 35.3	60.6	10 24 27.65	+62.72	+ 5 21 42.6	. .
23	Uranus C, C.	11	52 48.23	-0.56	-17.06	58 54 2.20	42.972	+ 30.3	60.4	15 52 30.61	. . .	- 20 3 30.7	. .
24	δ Scorpii	11	54 39.77	-0.57	-17.12	61 9 55.80	44.732	+ 38.9	60.4	15 54 . . .	. . .	. . .	. .
25	β¹ Scorpii	11	59 51.95	-0.56	-17.13	58 21 57.55	44.234	+ 28.4	61.1	15 59 . . .	. . .	. . .	. .
26	δ Ophiuchi	11	9 21.23	-0.51	-17.04	42 15 58.70	46.985	+ 49.7	60.4	16 9 . . .	. . .	. . .	. .
27	Saturn I, S.	6	23 4.53	-0.56	-17.06	58 30 3.48	46.890	+ 29.0	60.4	16 22 46.91	+ 0.67	- 19 40 45.7	. .
28	Saturn II, N.	5	23 5.86	-0.56	-17.06	58 30 3.48	45.940	+ 29.0	60.4	16 22 48.24	- 0.66	- 19 40 27.7	. .
29	μ Herculis	11	42 48.85	-0.47	-16.95	11 4 4.30	46.029	+ 10.8	59.7	17 42 . . .	. . .	. . .	. .
30	δ Ursæ Minoris	8	5 39.01	-2.19	[-17.84]	312 16 2.22	43.761	- 1 0.1	[61.8]	18 5 . . .	. . .	. . .	. .
June 24, Po.													
31	α Ceti	11	57 15.85	-0.53	-16.88	35 10 3.00	42.248	+ 37.9	61.3	2 56 . . .	. . .	. . .	. .
32	η Tauri	11	41 44.29	-0.54	-16.89	15 4 1.00	43.802	+ 14.4	59.9	3 41 . . .	. . .	. . .	. .
33	ε Tauri	11	22 58.54	-0.53	-16.88	19 54 2.72	43.916	+ 19.3	60.4	4 22 . . .	. . .	. . .	. .
34	α Tauri	11	30 22.90	-0.53	-16.86	22 32 2.35	46.885	+ 22.1	59.9	4 30 . . .	. . .	. . .	. .
35	Mercury II.	9	53 21.81	-0.54	-16.89	14 46 . . .	. . .	. . .	. . .	5 53 4.38	- 0.19	. . .	. .
June 25, Po.													
36	Sun I, N.	11	16 59.78	-0.54	-16.90	15 12 1.12	45.338	+ 14.4	61.4	6 16 42.34	+68.92	+ 23 39 2.9	. .
37	Sun II.	9	19 17.62	-0.54	-16.90	. . .	. . .	. . .	. . .	6 19 0.18	-68.92	. . .	. .
38	α² Geminorum	. . .	. . .	. . .	. . .	6 44 3.60	46.575	+ 6.3	62.3	7 28 . . .	. . .	. . .	. .
39	α Canis Minoris	11	34 16.54	-0.53	-16.91	33 22 4.62	43.938	+ 34.6	63.3	7 33 . . .	. . .	. . .	. .
40	β Geminorum	11	39 23.54	-0.54	-16.90	10 34 3.90	47.639	+ 9.9	63.0	7 39 . . .	. . .	. . .	. .
41	Venus I, C.	11	38 39.91	-0.53	-16.89	18 30 0.45	43.676	+ 17.6	62.4	8 38 22.49	+ 0.46	+ 20 21 31.8	. .
42	γ¹ Leonis	11	14 40.40	-0.53	-16.88	18 29 58.45	44.395	+ 17.6	62.7	10 14 . . .	. . .	. . .	. .
43	Moon I, N.	11	11 20.18	-0.54	-16.84	39 3 53.55	45.347	+ 42.5	63.5	11 11 2.80	+63.19	- 0 13 16.9	. .
44	τ Leonis	11	23 1.06	-0.53	-16.81	35 26 2.22	44.668	+ 37.3	63.3	11 22 . . .	. . .	. . .	. .
45	ν Leonis	11	32 3.19	-0.53	-16.84	39 6 2.80	46.756	+ 42.6	63.4	11 31 . . .	. . .	. . .	. .
46	β Leonis	11	44 11.18	-0.53	-16.85	23 42 3.48	46.912	+ 23.1	63.1	11 43 . . .	. . .	. . .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
23 17 7	29.926	65.8	63.3	1, 27.	Bisections at I, VII.	1	+ 0.9	- 9.2	. .	- 8.3
3 37	29.874	75.0	76.6	2, 28.	Bisections at II, VI.	2	+ 0.9	+ 9.3	. .	+ 10.2
4 27	29.862	73.4	79.6	12, 36.	Bisections at I, II.	11	+ 1.8	. . .	0.0	+ 1.8
5 46	29.846	82.6	82.3	13, 44.	Bisections at VI, VII.	12	+ 2.3	+15 45.0	. .	+15 47.3
6 15	29.831	83.0	83.3	22, 43.	Bisections at II, III, IV, V, VI.	13	+ 2.3	-15 45.1	. .	-15 42.8
7 30	29.800	86.3	86.5	24.	Bisections at II, VI, VII.	17	+ 2.0	. . .	- 0.2	+ 1.8
8 30	29.782	89.1	88.8	30.	Bisections at C₁, C₂, C₃, C₄, C₅.	22	+30 24.9	-15 7.0	. .	+15 17.9
9 41	29.754	89.0	89.7	38.	Bisections at I, II, VII.	23	+ 0.4	. . .	. .	+ 0.4
10 22	29.742	89.0	90.7			27	+ 0.9	+ 9.0	. .	+ 9.9
15 49	29.658	78.5	77.9			28	+ 0.9	- 9.0	. .	- 8.1
17 38	29.634	76.2	75.1			36	+ 2.3	-15 45.3	. .	-15 43.0
19 0	29.628	75.3	74.8			41	+ 2.1	. . .	- 0.2	+ 1.9
3 1	29.582	83.8	84.6			43	+35 10.8	-15 17.9	. .	+19 52.9
4 35	29.566	88.8	89.5							
6 19	29.540	92.5	93.0							
7 42	29.516	96.0	95.9							
8 41	29.508	96.0	95.9							
10 18	29.482	96.0	97.1							
11 27	29.482	94.8	96.1							
11 39	29.482	94.8	95.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	o Virginis	11	0 20.58	- 0.53	-16.82	29 32 4.28	48.392	+	29.9	62.9	12 0 . .		. .
2	α Ursæ Minoris S. P. June 26, K.	2	21 46.75	+ 9.57	[-18.37]	307 38 . .	. . .	. .	. .	. .	1 21 . .		. .
3	η Tauri	11	41 43.56	- 0.53	-16.11	15 4 0.98	43.848	+	14.7	61.2	3 41 . .		. .
4	ζ Persei	11	48 1.53	- 0.54	-16.10	7 16 1.95	46.004	+	7.0	61.8	3 47 . .		. .
5	γ Tauri	11	14 17.45	- 0.52	-16.09	23 28 2.92	44.879	+	23.6	62.1	4 14 . .		. .
6	ε Tauri	11	22 57.79	- 0.52	-16.10	19 54 1.30	44.068	+	19.7	62.4	4 22 . .		. .
7	Mercury C. C. June 27, K.	11	12 28.16	- 0.53	-16.10	14 28 0.90	49.255	+	14.0	62.0	6 12 11.53	0.00	+ 24 21 47.6
8	Sun I, N.	11	25 17.26	- 0.53	-16.09	15 16 4.15	46.255	+	14.8	62.0	6 25 0.64	+68.90	+ 23 34 42.4
9	Sun II, S.	11	27 35.05	- 0.53	-16.09	15 48 2.05	44.562	+	15.3	62.0	6 27 18.43	-68.89	+ 23 3 13.8
10	α² Geminorum	11	28 23.77	- 0.54	-16.04	6 44 1.68	46.689	+	6.4	62.8	7 28 . .		. .
11	α Canis Minoris	11	34 15.75	- 0.52	-16.11	33 22 2.95	43.931	+	35.3	62.3	7 33 . .		. .
12	β Geminorum	10	39 22.69	- 0.54	-16.04	10 34 2.70	47.628	+	10.1	61.6	7 39 . .		. .
13	ε Hydrae	11	41 40.71	- 0.52	-16.18	32 2 4.40	49.071	+	33.5	62.2	8 41 . .		. .
14	Venus I, C.	11	48 26.39	- 0.52	-16.09	19 6 2.15	48.012	+	18.6	62.0	8 48 9.78	+ 0.46	+ 19 44 5.6
15	Moon I	11	49 19.14	- 0.54	-16.07	50 42 . .	. . .	. .	. .	. .	12 49 2.53	+66.54	
16	o Virginis	11	4 59.43	- 0.52	-16.06	43 50 0.12	46.581	+	51.6	62.5	13 4 . .		. .
17	α Virginis	11	20 8.59	- 0.53	-16.05	49 28 2.65	46.120	+	1 2.9	61.7	13 19 . .		. .
18	α Ursæ Minoris S. P.	6	21 47.58	+ 9.52	[-17.09]	307 37 59.30	46.182	-	9.4	[63.0]	1 21 . .		. .
19	ζ Virginis	8	29 49.21	- 0.52	-16.09	38 54 4.18	49.235	+	43.5	63.2	13 29 . .		. .
20	Uranus C. C.	7	52 23.66	- 0.55	-16.07	58 51 59.68	45.963	+	1 29.9	62.2	15 52 7.04		20 2 22.7
21	δ Scorpii	11	54 38.79	- 0.56	-16.15	61 9 55.18	44.858	+	1 38.6	62.7	15 54 . .		. .
22	β Scorpii	11	59 50.92	- 0.55	-16.11	58 22 2.72	44.061	+	1 28.2	62.8	15 59 . .		. .
23	δ Ophiuchi	11	9 20.24	- 0.52	-16.04	42 16 6.58	46.690	+	49.5	62.7	16 9 . .		. .
24	Saturn I, S.	5	22 17.52	- 0.55	-16.07	58 27 59.92	49.225	+	1 28.8	62.2	16 22 0.90	+ 0.69	+ 19 39 25.0
25	Saturn II, N.	6	22 18.90	- 0.55	-16.07	58 27 59.92	48.328	+	1 28.7	62.2	16 22 2.28	- 0.69	+ 19 39 7.8
26	β Herculis	11	26 10.04	- 0.52	-16.04	17 8 4.45	46.215	+	16.9	60.7	16 25 . .		. .
27	η Herculis	11	39 43.79	- 0.56	-15.99	359 44 3.12	46.271	-	0.2	62.0	16 39 . .		. .
28	d Herculis	11	58 10.38	- 0.54	-16.08	5 8 2.78	46.055	+	5.0	61.4	16 57 . .		. .
29	B. D. +49°, 2583. June 27, Br.	11	2 27.19	- 0.60	-16.07	349 54 10.88	47.265	-	9.6	62.2	17 2 10.52	- 3.29	+ 48 56 39.2
30	α Ceti	11	57 14.93	- 0.53	-15.87	35 10 3.02	42.242	+	38.2	62.0	2 56 . .		. .
31	α Tauri	11	30 21.88	- 0.52	-15.78	22 32 2.00	46.951	+	22.4	61.3	4 30 . .		. .
32	β Tauri June 28, Br.	7	20 8.56	- 0.52	-15.82	10 20 0.98	44.659	+	9.8	62.0	5 19 . .		. .
33	Sun I, S.	11	29 25.83	- 0.52	-15.76	15 50 3.92	47.130	+	15.2	62.0	6 29 9.55	+68.82	+ 23 0 25.5
34	Sun N.					15 17 59.02	48.805	+	14.7	62.0			+ 23 31 56.3
35	β Geminorum June 28, S.	11	39 22.37	- 0.52	-15.73	10 34 0.90	47.785	+	10.0	62.7	7 39 . .		. .
36	ζ Persei	11	48 0.48	- 0.46	-15.07	7 16 2.58	45.904	+	7.1	60.6	3 47 . .		. .
37	α Tauri	11	30 21.27	- 0.46	-15.21	22 32 3.10	46.844	+	22.9	61.0	4 30 . .		. .
38	ι Aurigæ	11	50 38.24	- 0.46	-15.07	5 50 1.82	47.792	+	5.7	60.3	4 50 . .		. .
39	β Orionis June 29, S.	11	9 54.86	- 0.51	-15.13	47 10 1.32	43.158	+	59.3	60.9	5 9 . .		. .
40	Sun I, N.	11	33 33.86	- 0.46	-15.08	15 22 7.75	45.980	+	15.1	60.9	6 33 18.32	+68.74	+ 23 28 43.0
41	Sun II, S.	11	35 51.35	- 0.46	-15.08	15 54 5.08	44.310	+	15.7	60.9	6 35 35.81	-68.75	+ 22 57 14.0
42	β Geminorum	3	39 21.58	- 0.46	-15.00	10 34 4.22	47.469	+	10.3	60.1	7 39 . .		. .
43	Venus I, S.	6	58 6.82	- 0.46	-15.03	19 46 2.68	46.658	+	19.7	60.9	8 57 51.33	+ 0.46	+ 19 4 28.9
44	Venus II, N.	5	58 7.58	- 0.46	-15.03	19 46 2.68	45.980	+	19.7	60.9	8 57 52.09	- 0.30	+ 19 4 41.8

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
25	12	20	29.488	93.0	92.9	8, 33, 40.	Bisections at I, II.	7	+	1.7	. . .	+ 1.7
26	3	40	29.476	86.2	83.4	9, 21, 38, 41.	Bisections at VI, VII.	8	+	2.3	-15 44.2	-15 41.9
	4	20	29.472	87.2	85.0	18.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ .	9	+	2.4	+15 44.3	+15 46.7
27	6	16	29.460	89.7	88.6	19, 20.	Bisections at I, II, VI.	14	+	2.2	. . .	+ 2.0
	6	28	29.460	89.2	88.3	24, 44.	Bisections at I, VII.	20	+	0.4	. . .	+ 0.4
	7	26	29.452	90.7	90.9	25, 43.	Bisections at II, VI.	24	+	0.9	+ 8.6	+ 9.5
	7	45	29.450	91.0	90.9	34.	Bisection at VI.	25	+	0.9	- 8.6	- 7.7
	8	44	29.454	93.5	92.1			25	+	0.9	- 8.6	- 7.7
12	55		29.814	89.5	89.1			33	+	2.4	+15 45.3	+15 47.7
15	48		29.804	83.0	82.0			34	+	2.3	-15 45.4	-15 43.1
16	19		29.793	82.0	81.0			40	+	2.3	-15 44.4	-15 42.1
17	4		29.790	81.2	79.8			41	+	2.4	+15 44.5	+15 46.9
3	3		29.840	85.5	84.4			43	+	2.3	+ 6.5	+ 8.7
4	22		29.836	89.5	88.6			44	+	2.3	- 6.5	- 4.2
5	9		29.828	91.0	90.6							
28	6	30.	29.818	92.3	90.9							
	7	43	29.794	93.8	91.1							
	3	50	29.895	77.2	75.0							
	4	55	29.884	79.1	77.3							
	5	15	29.885	79.0	77.3							
29	6	36	29.882	81.4	78.9							
	7	45	29.865	82.1	79.9							
	9	3	29.864	84.4	80.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Hydrae	11	22 51.52	-0.51	-15.08	47 4 1.50	43.660	+ 58.7	61.0	9 22 .	.	.	.
2	ε Leonis	3	40 21.10	-0.46	-15.01	14 36 2.02	46.848	+ 14.3	61.4	9 40 .	.	.	.
3	α Leonis	11	3 13.76	-0.47	-15.00	26 22 2.85	48.471	+ 27.1	62.4	10 2 .	.	.	.
4	γ Leonis	11	14 38.43	-0.46	-15.00	18 30 2.15	44.020	+ 18.3	60.4	10 14 .	.	.	.
5	ρ Bootis	11	27 44.54	-0.44	-15.05	8 2 1.65	45.416	+ 7.9	59.9	14 27 .	.	.	.
6	Moon N.					60 9 56.82	47.086	+ 1 36.1	60.4	14 43 .	.	-21 20 50.0	.
7	β Librae	3	11 50.24	-0.50	-15.17	47 50 2.82	48.052	+ 1 1.0	60.9	15 11 .	.	.	.
8	Uranus C. C.	11	52 7.50	-0.54	-15.06	58 52 2.05	43.342	+ 1 31.3	60.4	15 51 51.90	.	-20 1 38.7	.
9	β Scorpii	11	59 49.90	-0.54	-15.10	58 22 2.28	43.919	+ 1 29.5	60.9	15 59 .	.	.	.
10	δ Ophiuchi	11	9 19.17	-0.49	-15.00	42 16 2.78	46.751	+ 50.3	61.0	16 9 .	.	.	.
11	τ Herculis	11	16 59.06	-0.45	-14.89	352 18 2.38	45.229	+ 7.4	59.6	16 16 .	.	.	.
12	Saturn I, S.	5	21 46.96	-0.54	-15.04	58 27 53.05	46.908	+ 1 30.1	60.4	16 21 31.38	+ 0.72	-19 38 36.9	.
13	Saturn II, N.	6	21 48.40	-0.54	-15.04	58 27 53.05	45.902	+ 1 30.1	60.4	16 21 32.82	- 0.72	-19 38 17.5	.
14	ζ Ophiuchi	11	31 52.01	-0.51	-15.10	49 12 2.90	45.145	+ 1 4.1	60.6	16 31 .	.	.	.
15	η Herculis	11	39 42.61	-0.45	-14.93	359 44 1.08	46.231	+ 0.2	59.7	16 39 .	.	.	.
16	κ Ophiuchi	11	53 9.50	-0.46	-15.03	29 18 3.75	47.685	+ 31.2	60.5	16 52 .	.	.	.
17	B. D. + 49°, 2583.	11	2 26.09	-0.46	-15.00	349 54 1.88	47.581	- 9.8	60.4	17 2 10.63	- 3.27	+ 48 56 40.5	- 0.1
	June 29, L.												
18	η Tauri	11	41 42.26	-0.50	-14.76	15 4 3.45	43.579	+ 15.0	59.0	3 41 .	.	.	.
19	ζ Persei	11	48 0.23	-0.51	-14.74	7 16 3.10	45.821	+ 7.1	59.5	3 47 .	.	.	.
20	α Tauri	11	30 20.87	-0.50	-14.75	22 32 4.60	46.713	+ 22.9	59.7	4 30 .	.	.	.
21	ι Aurigæ	11	50 38.02	-0.51	-14.77	5 50 1.02	47.807	+ 5.7	58.9	4 50 .	.	.	.
	June 30, L.												
22	Sun I, S.	11	37 41.85	-0.50	-14.73	15 58 2.25	43.465	+ 15.7	59.8	6 37 26.62	+68.88	+ 22 53 34.7	.
23	Sun II, N.	11	39 59.61	-0.50	-14.73	15 26 2.28	44.842	+ 15.1	59.8	6 39 44.38	-68.88	+ 23 25 6.2	.
24	α Geminorum	8	28 22.42	-0.51	-14.70	6 44 .	.	.	.	7 28 .	.	.	.
25	α Canis Minoris	11	34 14.38	-0.51	-14.74	33 22 2.70	43.782	+ 35.9	60.0	7 33 .	.	.	.
26	β Geminorum	11	39 21.39	-0.51	-14.75	10 34 0.95	47.646	+ 10.2	60.2	7 39 .	.	.	.
27	Venus I, N.	6	2 55.08	-0.50	-14.72	20 6 1.98	47.435	+ 19.9	59.8	9 2 39.86	+ 0.47	+ 18 44 13.3	.
28	Venus II, S.	5	2 55.86	-0.50	-14.72	20 6 1.98	48.095	+ 19.9	59.8	9 2 40.64	- 0.31	+ 18 44 0.8	.
29	α Hydrae	11	22 51.17	-0.54	-14.70	47 4 2.48	43.628	+ 58.2	61.0	9 22 .	.	.	.
30	Moon I, N.	11	46 6.43	-0.60	-14.69	63 24 6.82	48.282	+ 1 49.9	60.6	15 45 51.14	+75.52	- 24 35 36.7	.
31	Uranus C. C.	11	51 59.85	-0.56	-14.69	58 50 6.20	48.282	+ 1 31.1	60.6	15 51 44.60	.	-20 1 17.7	.
32	δ Scorpii	11	54 37.35	-0.57	-14.70	61 10 6.78	44.095	+ 1 40.0	59.7	15 54 .	.	.	.
33	β Scorpii	11	59 49.55	-0.56	-14.73	58 22 6.30	43.716	+ 1 29.4	61.0	15 59 .	.	.	.
34	δ Ophiuchi	11	9 18.84	-0.52	-14.65	42 16 8.75	46.451	+ 50.2	61.2	16 9 .	.	.	.
35	Saturn I, S.	5	21 32.44	-0.56	-14.69	58 28 3.95	45.048	+ 1 29.8	60.6	16 21 17.19	+ 0.67	-19 38 11.5	.
36	Saturn II, N.	6	21 33.77	-0.56	-14.69	58 28 3.95	44.110	+ 1 29.8	60.6	16 21 18.52	- 0.66	-19 37 52.5	.
37	ζ Ophiuchi	11	31 51.62	-0.53	-14.69	49 12 5.48	45.001	+ 1 4.0	60.5	16 31 .	.	.	.
	June 30, K.												
38	ζ Persei	11	47 59.75	-0.52	-14.22	7 16 3.72	45.856	+ 7.0	60.7	3 47 .	.	.	.
39	γ Tauri	11	14 15.73	-0.50	-14.30	23 28 6.50	44.632	+ 23.6	61.3	4 14 .	.	.	.
40	ε Tauri	11	22 56.04	-0.50	-14.27	19 54 4.82	43.832	+ 19.7	61.7	4 22 .	.	.	.
41	α Tauri	11	30 20.45	-0.50	-14.30	22 32 2.00	46.971	+ 22.6	62.2	4 30 .	.	.	.
	July 1, K.												
42	Sun I, S.	11	41 49.61	-0.51	-14.22	16 1 59.18	43.710	+ 15.5	61.9	6 41 34.88	+68.70	+ 22 49 35.4	.
43	Sun II, N.	11	44 7.01	-0.51	-14.22	15 30 3.12	44.928	+ 15.0	61.9	6 43 52.28	-68.70	+ 23 21 5.9	.
44	Venus I, C.	11	7 41.65	-0.50	-14.17	20 28 6.20	44.456	+ 20.0	61.9	9 7 26.98	+ 0.47	+ 18 23 8.3	.
45	α Hydrae	11	22 50.56	-0.50	-14.13	47 4 2.72	43.746	+ 57.4	62.8	9 22 .	.	.	.
46	ε Leonis	11	40 20.24	-0.51	-14.11	14 36 3.28	46.755	+ 14.0	62.0	9 40 .	.	.	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
29	10 7	29.860	83.7	81.9	2, 7, 22, 42.	Bisections at I, II.	6	+51 34.5	-16 15.9	.	+35 18.6
14	30	29.876	79.0	75.9	4, 21, 31.	Bisections at II, VI, VII.	8	+ 0.4	.	.	+ 0.4
15	41	29.875	77.4	75.4	6, 30.	Bisections at II, III, IV, V, VI.	12	+ 0.9	+ 9.7	.	+ 10.6
9	10	29.877	74.8	72.9	12, 28.	Bisections at II, VI.	13	+ 0.9	- 9.7	.	- 8.8
3	51	29.968	78.2	76.2	13, 27, 35.	Bisections at I, VII.	22	+ 2.4	+15 45.7	.	+15 48.1
4	33	29.976	79.9	78.1	20.	Bisections at I, II, VII.	23	+ 2.3	-15 45.7	.	-15 43.4
6	40	29.968	84.2	82.9	23, 43.	Bisections at VI, VII.	27	+ 2.3	- 6.3	.	- 4.0
7	44	29.958	86.0	84.7	36.	Bisection at II.	28	+ 2.3	+ 6.3	- 0.1	+ 8.5
9	25	29.946	89.1	87.0			30	+53 54.7	-16 29.4	.	+37 25.3
16	2	29.940	79.3	77.1			31	+ 0.4	.	.	+ 0.4
16	30	29.940	78.9	76.6			35	+ 0.9	+ 9.5	.	+ 10.4
4	27	30.006	85.0	84.5			36	+ 0.9	- 9.5	.	- 8.6
1	6 44	30.020	87.2	91.9			42	+ 2.4	+15 45.2	.	+15 47.6
9	9	29.998	97.8	95.4			43	+ 2.3	-15 45.2	.	-15 42.9
							44	+ 2.4	.	- 0.3	+ 2.1

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			m	s	Instru- ment.	Clock.								
1	μ Leonis	11	47	14.41	-0.51	-14.20	12 22 2.10	45.040	+ 11.8	62.5	9 46			
2	α Leonis	11	3	12.98	-0.50	-14.20	26 22 3.58	48.444	+ 26.5	62.1	10 2			
3	α Scorpii	11	23	28.10	-0.57	-14.11	65 2 3.08	44.918	+ 1 56.5	62.7	16 23			
4	ζ Ophiuchi	11	31	51.02	-0.53	-14.08	49 12 4.02	45.242	+ 1 3.1	62.7	16 31			
5	η Herculis	11	39	41.80	-0.56	-14.02	359 44 2.95	46.204	- 0.2	61.6	16 39			
6	Moon I, S.	11	54	27.71	-0.58	-14.11	65 30 13.08	43.445	+ 1 59.2	62.0	16 54 13.02	+77.38	-26 40 17.4	
7	Moon N.	8	58	8.45	-0.54	-14.16	64 55 58.68	45.723	+ 1 56.2	62.0	16 54		-26 6 44.8	
8	d Herculis	8	58	8.45	-0.54	-14.16	5 7 57.10	46.243	+ 5.0	61.3	16 57			
9	B. D. +49°, 2583.	10	2	25.31	-0.61	-14.11	349 54 2.35	47.646	+ 9.6	62.0	17 2 10.59	-3.26	+48 56 40.2	-0.6
10	b Ophiuchi	11	20	27.57	-0.56	-14.17	62 54 4.60	46.706	+ 1 46.4	61.3	17 20			
11	γ^2 Sagittarii	11	59	34.76	-0.58	-14.11	69 14 3.82	46.639	+ 2 23.4	62.3	17 59			
12	δ Ursæ Minoris	11	5	35.76	-4.24	[-13.26]	312 16 1.65	43.690	- 1 0.0	[63.3]	18 5			
July 1, B.														
13	η Tauri	11	41	41.29	-0.60	-13.63	15 4 0.55	43.934	+ 14.6	62.7	3 41			
14	γ Tauri	11	14	15.26	-0.58	-13.72	23 28 1.65	45.099	+ 23.5	65.4	4 14			
15	ι Aurigæ	11	50	36.99	-0.64	-13.56	5 50 0.85	48.115	+ 5.6	64.0	4 50			
16	α Orionis	11	49	54.57	-0.56	-13.66	31 28 4.15	43.340	+ 33.0	64.0	5 49			
July 2, B.														
17	Sun I, N.	11	45	56.95	-0.60	-13.62	15 34 4.78	46.370	+ 15.0	64.6	6 45 42.73	+68.75	+23 16 42.0	
18	Sun II, S.	11	48	14.46	-0.60	-13.62	16 6 0.48	44.902	+ 15.5	64.6	6 48 0.24	-68.76	+22 45 11.3	
19	Mercury C, C.	11	0	23.17	-0.60	-13.61	14 34 3.38	47.390	+ 14.0	64.6	7 0 8.96	0.00	+24 16 23.5	
20	ϵ Hydræ	11	41	38.25	-0.56	-13.68	32 2 5.38	49.158	+ 33.3	65.0	8 41			
21	Venus I, C.	11	12	26.67	-0.58	-13.59	20 50 3.42	42.904	+ 20.3	64.6	9 12 12.50	+0.47	+18 1 43.2	
22	ϵ Leonis	10	40	19.83	-0.60	-13.61	14 36 3.78	46.798	+ 13.9	64.5	9 40			
23	μ Leonis	6	47	13.88	-0.61	-13.58	12 22 3.52	45.225	+ 11.7	65.9	9 46			
24	α Leonis	11	3	12.39	-0.57	-13.55	26 22 4.05	48.502	+ 26.4	65.0	10 2			
25	γ^1 Leonis	11	14	37.04	-0.59	-13.50	18 30 1.48	44.332	+ 17.8	64.7	10 14			
26	d Herculis	11	58	7.66	-0.57	-13.35	5 8 4.40	46.010	+ 5.0	63.3	16 57			
27	B. D. +49°, 2583.	10	2	24.66	-0.62	-13.40	349 54 3.85	47.588	+ 9.6	64.0	17 2 10.64	-3.26	+48 56 41.8	-1.0
28	b Ophiuchi	11	20	26.84	-0.62	-13.37	62 54 5.08	46.806	+ 1 46.5	63.8	17 20			
29	β Draconis	11	28	24.92	-0.64	[-13.33]	346 27 51.85	48.475	+ 13.1	[63.2]	17 28			
30	γ^2 Sagittarii	11	59	34.20	-0.65	-13.48	69 14 2.22	46.860	+ 2 23.5	65.1	17 59			
31	Moon I, S.	11	4	39.04	-0.65	-13.38	64 57 56.78	46.485	+ 1 56.9	64.0	18 4 25.01	+77.46	-26 8 55.8	
32	ι Aquilæ	11	29	57.36	-0.57	-13.30	47 7 57.10	49.395	+ 59.1	64.1	18 29			
33	γ^1 H. Cephei S. P.	5	52	51.34	+4.06	[-13.19]	306 5 53.92	42.698	- 1 14.8	[62.8]	6 52			
34	d Sagittarii	11	11	58.41	-0.60	-13.39	57 58 4.12	44.640	+ 1 27.6	63.9	19 11			
July 3, S.														
35	α Ursæ Minoris S. P.	6	21	43.73	+11.84	[-8.76]	307 38 1.28	46.039	- 1 8.9	[64.2]	1 21			
36	η Bootis	11	50	5.86	-0.53	-12.78	19 56 2.40	47.074	+ 19.5	63.4	13 49			
37	α Bootis	11	11	16.85	-0.53	-12.89	19 8 1.08	46.356	+ 18.7	65.5	14 11			
38	σ Sagittarii	11	49	14.56	-0.58	-12.88	65 14 1.68	47.456	+ 1 58.3	63.4	18 49			
39	d Sagittarii	11	11	57.80	-0.56	-12.81	57 58 2.18	44.790	+ 1 27.5	63.3	19 11			
40	Moon N.	11	61	50 3.15			61 50 3.15	47.773	+ 1 42.2	63.7			-23 1 7.4	
41	Moon II, S.	11	15	58.11	-0.59	-12.84	62 24 2.88	46.165	+ 1 44.7	63.7	19 15 44.68	-75.77	-23 34 48.7	
42	δ Aquilæ	11	20	38.58	-0.53	-12.83	35 56 2.80	44.845	+ 39.8	63.5	19 20			
43	κ Aquilæ	11	31	41.74	-0.54	-12.85	46 6 2.22	43.672	+ 57.0	63.0	19 31			
July 6, L.														
44	α Tauri	11	30	17.28	-0.40	-11.09	22 32 4.88	46.583	+ 23.3	59.3	4 30			
45	ι Aurigæ	11	50	34.39	-0.39	-11.08	5 50 3.40	47.775	+ 5.8	60.8	4 50			
46	β Tauri	11	20	3.84	-0.39	-11.03	10 20 2.22	44.394	+ 10.2	58.5	5 19			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
1 10 0	29.980	96.2	95.2	6, 40.	Bisections at I, II, III.	6	+55 25.3	+16 38.7	0.0	+72 4.0
16 25	29.974	84.1	84.1	7, 8, 41.	Bisections at V, VI, VII.	7	+55 10.1	-16 38.7	.	+38 31.4
18 10	29.980	83.0	81.8	9.	Bisections at II, III, V, VII.	17	+ 2.3	-15 45.3	.	-15 43.0
3 35	30.060	88.8	87.9	12.	Bisections at III, IV, V.	18	+ 2.4	+15 45.3	.	+15 47.7
4 33	30.068	90.8	89.9	17, 23, 39.	Bisections at I, II.	19	+ 1.7	.	0.0	+ 1.7
5 52	30.078	93.5	92.7	18, 22, 24, 29.	Bisections at VI, VII.	21	+ 2.4	- 0.3	.	+ 2.1
6 48	30.068	95.4	94.7	31.	Bisections at II, III, IV, V, VI.	31	+55 28.3	+16 44.6	.	+72 12.9
7 45	30.064	97.2	97.1	33.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	40	+53 55.8	-16 42.1	.	+37 13.7
8 35	30.060	99.0	98.7	35.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	41	+54 12.9	+16 42.1	0.0	+70 55.0
9 25	30.050	101.2	98.5	44, 45.	Bisections at II, VI, VII.					
10 19	30.034	99.0	98.9							
16 55	30.014	85.8	83.9							
17 38	30.014	84.4	82.7							
18 37	30.014	83.0	81.7							
19 15	30.016	82.2	80.9							
3 13 20	29.920	93.9	93.5							
16 0	29.901	86.5	85.0							
18 41	29.881	81.9	80.0							
19 34	29.866	80.4	78.4							
4 4 32	30.036	74.0	71.3							
5 22	30.030	75.9	73.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Orionis	11	49 52.09	- 0.41	-11.24	31 28 3.35	43.049	+ 34.1	59.2	5 49 . .	. .		. .
	July 7, L.												
2	Sun I, N.	11	6 28.94	- 0.39	-11.10	16 2 2.72	46.460	+ 15.9	59.2	7 6 17.45	+68.55	+ 22 48 35.9	. .
3	Sun II, S.	11	8 46.05	- 0.39	-11.10	16 34 5.52	44.578	+ 16.5	59.2	7 8 34.56	-68.56	+ 22 17 6.1	. .
4	α Canis Minoris	11	34 10.72	- 0.42	-11.12	33 22 6.75	43.462	+ 36.3	58.8	7 33 . .	. .		. .
5	β Geminorum	11	39 17.68	- 0.39	-11.10	10 34 1.90	47.535	+ 10.4	58.7	7 39 . .	. .		. .
6	Mercury I, C.	6	46 2.03	- 0.39	-11.10	15 46 2.78	47.052	+ 15.6	59.2	7 45 50.54	+ 0.27	+ 23 4 23.6	. .
7	Mercury II	5	46 2.54	- 0.39	-11.10			. .	. .	7 45 51.05	- 0.24		. .
8	α Hydre	11	22 47.49	- 0.45	-11.12	47 4 3.72	43.391	+ 58.9	59.1	9 22 . .	. .		. .
9	Venus I, N.	6	35 50.47	- 0.40	-11.08	22 42 3.70	47.832	+ 23.0	59.2	9 35 38.99	+ 0.52	+ 16 8 0.3	. .
10	Venus II, S.	5	35 51.32	- 0.40	-11.08	22 42 3.70	48.525	+ 23.0	59.2	9 35 39.84	- 0.33	+ 16 7 47.1	. .
11	α Leonis	6	3 9.68	- 0.40	-11.02	26 22 . .		. .	. .	10 2 . .	. .		. .
12	λ Aquarii	11	47 32.59	- 0.46	-11.06	46 58 5.15	42.759	+ 1 0.1	59.6	22 47 . .	. .		. .
13	α Pegasi	11	59 55.34	- 0.42	-10.94	24 12 4.68	42.598	+ 25.3	58.5	22 59 . .	. .		. .
14	Moon II, N.	11	8 50.42	- 0.45	-10.98	39 50 5.32	46.058	+ 46.9	59.2	23 8 38.99	-66.00	- 0 59 51.0	. .
15	β Piscium	11	23 2.17	- 0.43	-10.97	33 2 5.55	42.648	+ 36.5	59.1	23 22 . .	. .		. .
16	γ Piscium	11	34 56.70	- 0.43	-10.93	33 46 5.65	44.852	+ 37.6	59.6	23 34 . .	. .		. .
	July 7, K.												
17	γ Tauri	. .		. .	. .	23 28 3.65	44.660	+ 24.0	60.1	4 14 . .	. .		. .
18	α Tauri	11	30 16.95	- 0.43	-10.70	22 32 3.72	46.765	+ 22.9	60.8	4 30 . .	. .		. .
19	β Tauri	3	20 3.61	- 0.42	-10.75	10 20 3.00	44.555	+ 10.0	60.4	5 19 . .	. .		. .
20	δ Orionis	11	27 0.23	- 0.46	-10.67	39 12 5.88	47.836	+ 44.7	61.1	5 26 . .	. .		. .
21	ε Orionis	11	31 14.71	- 0.46	-10.64	40 6 3.80	46.434	+ 46.1	60.7	5 31 . .	. .		. .
	July 8, K.												
22	Sun I, N.	11	10 34.64	- 0.42	-10.69	16 8 5.98	48.775	+ 15.8	61.2	7 10 23.53	+68.45	+ 22 41 50.4	. .
23	Sun II, S.	11	12 51.53	- 0.42	-10.69	16 40 7.00	46.988	+ 16.3	61.2	7 12 40.42	-68.44	+ 22 10 20.6	. .
24	Mercury I, C.	11	54 42.31	- 0.42	-10.69	16 8 5.25	44.541	+ 15.7	61.4	7 54 31.20	+ 0.19	+ 22 43 11.3	. .
25	Venus I, C.	11	40 27.07	- 0.43	-10.68	23 6 5.30	48.186	+ 23.0	61.9	9 40 15.96	+ 0.48	+ 15 43 54.7	. .
26	μ Leonis	9	47 10.82	- 0.42	-10.73	12 22 6.02	44.712	+ 11.9	61.4	9 46 . .	. .		. .
27	α Leonis	11	3 9.37	- 0.43	-10.69	26 22 4.92	48.379	+ 26.8	62.6	10 2 . .	. .		. .
28	γ Leonis	11	14 34.00	- 0.42	-10.66	18 30 3.30	44.066	+ 18.1	61.6	10 14 . .	. .		. .
29	ρ Leonis	8	26 39.45	- 0.44	-10.65	29 0 2.88	48.492	+ 29.9	62.6	10 27 . .	. .		. .
30	Moon II, N.	11	59 12.42	- 0.45	-10.54	33 48 4.65	42.465	+ 36.9	61.2	23 59 1.42	-65.11	+ 5 3 30.6	. .
31	α Andromedæ	7	3 20.74	- 0.44	-10.49	10 19 54.48	43.360	+ 10.1	61.0	0 3 . .	. .		. .
32	γ Pegasi	11	8 12.92	- 0.44	-10.58	24 14 2.75	44.019	+ 24.9	60.7	0 8 . .	. .		. .
33	ε Piscium	11	57 52.61	- 0.45	-10.54	31 30 4.60	45.024	+ 33.8	61.2	0 57 . .	. .		. .
34	β Andromedæ	11	4 14.86	- 0.44	-10.53	3 46 3.95	46.114	+ 3.7	61.7	1 4 . .	. .		. .
35	α Urse Minoris	5	22 11.41	- 7.57	-11.74	310 6 6.75	46.808	- 1 4.9	[61.4]	1 21 . .	. .		. .
	July 9, Po.												
36	Sun I, N.	11	14 40.05	- 0.43	-10.55	16 15 56.35	46.875	+ 15.9	61.6	7 14 29.07	+68.37	+ 22 34 36.7	. .
37	Sun II, S.	11	16 56.78	- 0.43	-10.55	16 47 59.12	45.060	+ 16.5	61.6	7 16 45.80	-68.36	+ 22 3 5.7	. .
38	α Hydre	4	23 46.90	- 0.45	-10.53	47 4 1.50	43.575	+ 58.1	61.3	9 22 . .	. .		. .
39	Venus I, C.	11	45 2.42	- 0.43	-10.52	23 32 3.02	43.245	+ 23.5	61.6	9 44 51.47	+ 0.48	+ 15 19 30.9	. .
40	α Leonis	11	3 9.21	- 0.43	-10.53	26 22 2.38	48.502	+ 26.8	62.4	10 2 . .	. .		. .
41	γ Leonis	11	14 33.85	- 0.43	-10.50	18 30 1.45	44.119	+ 18.1	60.7	10 14 . .	. .		. .
42	δ Leonis	5	8 54.13	- 0.43	-10.49	17 46 2.25	45.779	+ 17.3	61.9	11 8 . .	. .		. .
43	α Andromedæ	11	3 20.51	- 0.37	-10.29	10 20 3.60	42.944	+ 10.3	60.9	0 3 . .	. .		. .
44	γ Pegasi	11	8 12.71	- 0.39	-10.38	24 14 5.45	43.808	+ 25.5	60.1	0 8 . .	. .		. .
45	Moon II, N.	11	48 46.93	- 0.40	-10.33	28 12 5.75	41.610	+ 30.3	60.7	0 48 36.20	-64.96	+ 10 39 52.0	. .
46	ε Piscium	11	57 52.39	- 0.40	-10.34	31 30 4.82	44.926	+ 34.6	60.5	0 57 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 5 52	30.026	76.0	73.9	2, 19, 22, 36.	Bisections at I, II.	2	+ 2.4	-15 44.8	. .	-15 42.4
7 7 9	30.006	78.0	77.6	3, 23, 26, 29, 37, 38.	Bisections at VI, VII.	3	+ 2.5	+15 44.9	. .	+15 47.4
7 7 42	30.000	79.2	78.9	9.	Bisections at I, VII.	6	+ 1.8		0.0	+ 1.8
9 25	29.970	81.8	81.0	10.	Bisections at II, VI.	9	+ 2.7	- 6.7	. .	- 4.0
22 50	29.860	69.1	66.9	14, 30, 45.	Bisections at II, III, IV, V, VI.	10	+ 2.7	+ 6.7	- 0.2	+ 9.2
23 30	29.856	68.8	66.7	31.	Bisection at VII.	14	+37 15.2	-15 55.9	. .	+21 19.3
4 16	29.848	76.8	76.7	35.	Bisections at B ₁ , B ₃ , C ₁ , C ₂ .	22	+ 2.4	-15 44.9	. .	-15 42.5
5 33	29.840	79.8	79.8			23	+ 2.5	+15 44.8	. .	+15 47.3
7 13	29.834	83.4	82.9			24	+ 1.9		0.0	+ 1.9
7 58	29.818	84.7	84.0			25	+ 2.8		0.4	+ 2.4
9 39	29.770	88.5	86.4			30	+31 46.5	-15 39.9	. .	+16 6.6
10 25	29.740	86.0	86.2			36	+ 2.4	-15 45.4	. .	-15 43.0
0 1	29.588	73.0	71.2			37	+ 2.5	+15 45.5	. .	+15 48.0
1 1	29.580	73.0	72.4			39	+ 2.9		- 0.4	+ 2.5
9 7 17	29.623	80.2	79.1			45	+26 32.3	-15 25.1	. .	+11 7.2
9 28	29.600	83.8	81.9							
10 52	29.578	85.0	84.4							
0 14	29.700	65.5	61.1							
0 32	29.702	65.0	61.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Andromedæ . . .	11	4 14.60	- 0.37	-10.30	3 46 3.50	46.089	+ 3.8	61.0	1 4 . .	.	.	.
2	α Ursæ Minoris . .	7	22 6.72	- 4.68	[- 8.92]	310 6 0.45	47.226	- 1 6.4	[60.5]	1 21 . .	.	.	.
3	η Piscium	11	26 14.77	- 0.39	-10.33	24 2 0.40	43.467	+ 25.1	60.8	1 26 . .	.	.	.
	July 10, S.												
4	α Ursæ Minoris S. P.	8	21 58.01	+ 5.57	[- 9.93]	307 38 1.80	45.935	- 1 10.9	[60.3]	1 21 . .	.	.	.
5	ζ Virginis	11	29 43.05	- 0.45	-10.13	38 54 2.82	49.042	+ 44.4	61.1	13 29 . .	.	.	.
6	η Bootis	11	50 2.97	- 0.42	-10.08	19 56 3.50	46.764	+ 20.0	60.4	13 49 . .	.	.	.
7	β Andromedæ . . .	11	4 14.26	- 0.22	-10.07	3 46 3.15	46.009	+ 3.8	59.4	1 4 . .	.	.	.
8	α Ursæ Minoris . .	7	22 3.87	+ 0.35	[- 10.04]	310 6 2.20	47.146	- 1 7.5	[59.7]	1 21 . .	.	.	.
9	η Piscium	11	26 14.42	- 0.28	-10.06	24 2 5.20	43.105	+ 25.5	59.2	1 26 . .	.	.	.
10	Moon II, N.	11	38 34.90	- 0.29	-10.04	23 14 5.20	45.501	+ 24.6	59.0	1 38 24.57	-65.39	+ 15 36 41.8	.
11	β Arietis	11	49 13.08	- 0.26	-10.03	18 32 5.35	45.540	+ 19.2	58.8	1 49 . .	.	.	.
12	α Arietis	11	1 38.12	- 0.26	-10.01	15 52 4.40	45.046	+ 16.3	58.8	2 1 . .	.	.	.
	July 10, K.												
13	γ Tauri	11	14 11.50	- 0.37	- 9.93	23 28 3.70	44.605	+ 24.4	59.8	4 14 . .	.	.	.
14	ϵ Tauri	11	22 51.82	- 0.36	- 9.92	19 54 7.45	43.478	+ 20.4	58.9	4 22 . .	.	.	.
15	α Tauri	11	30 16.19	- 0.36	- 9.93	22 32 3.88	46.665	+ 23.3	59.7	4 30 . .	.	.	.
16	ι Aurigæ	11	50 33.30	- 0.35	- 9.92	5 50 1.88	47.829	+ 5.8	59.7	4 50 . .	.	.	.
	July 11, K.												
17	Sun I, N.	11	22 49.29	- 0.36	- 9.94	16 32 2.20	44.922	+ 16.6	59.5	7 22 38.99	+68.17	+ 22 19 5.5	.
18	Sun II, S.	11	25 5.64	- 0.36	- 9.94	17 4 1.32	43.168	+ 17.1	59.5	7 24 55.34	-68.18	+ 21 47 37.1	.
19	ϵ Coronæ Borealis .	11	53 35.35	- 0.35	- 9.97	11 40 4.48	47.278	+ 11.8	59.7	15 53 . .	.	.	.
20	δ Ophiuchi	11	9 13.99	- 0.40	- 9.95	42 16 2.90	46.535	+ 51.5	59.2	16 9 . .	.	.	.
21	β Herculis	11	26 3.75	- 0.36	- 9.97	17 8 3.48	45.899	+ 17.5	56.9	16 25 . .	.	.	.
22	ζ Ophiuchi	11	31 46.82	- 0.43	- 9.99	49 12 3.65	44.941	+ 5.7	59.8	16 31 . .	.	.	.
	July 15, B.												
23	β Orionis	11	9 49.29	- 0.53	- 9.19	47 10 0.58	43.133	+ 58.6	62.7	5 9 . .	.	.	.
24	β Tauri	11	20 2.24	- 0.52	- 9.07	10 20 3.12	44.570	+ 10.0	62.6	5 19 . .	.	.	.
25	α Orionis	11	49 50.24	- 0.52	- 9.11	31 28 3.88	43.255	+ 33.2	63.7	5 49 . .	.	.	.
	July 16, B.												
26	Sun I, N.	10	43 5.60	- 0.52	- 9.11	17 16 9.05	49.058	+ 16.8	63.6	7 42 55.97	+67.91	+ 21 33 43.2	.
27	Sun II, S.	11	45 21.41	- 0.52	- 9.11	17 47 58.88	47.952	+ 17.3	63.6	7 45 11.78	-67.90	+ 21 2 11.7	.
28	ϵ Leonis	9	40 15.26	- 0.52	- 9.15	14 36 . .	.	.	.	9 40 . .	.	.	.
29	α Leonis	11	3 7.87	- 0.51	- 9.14	26 22 5.15	48.481	+ 26.5	64.6	10 2 . .	.	.	.
30	γ Leonis	11	14 32.47	- 0.51	- 9.06	18 30 4.80	44.202	+ 17.9	63.9	10 14 . .	.	.	.
31	Venus I, C.	11	16 32.60	- 0.51	- 9.09	26 32 8.85	44.768	+ 26.7	64.2	10 16 23.00	+ 0.49	+ 12 18 55.3	.
32	δ Leonis	11	8 52.67	- 0.51	- 9.01	17 45 59.22	46.078	+ 17.1	64.4	11 8 . .	.	.	.
	July 17, L.												
33	ι Aurigæ	11	50 32.42	- 0.56	- 8.61	5 49 59.85	48.022	+ 5.7	61.3	4 50 . .	.	.	.
34	β Orionis	11	9 48.85	- 0.55	- 8.69	47 10 1.78	43.004	+ 59.0	61.5	5 9 . .	.	.	.
35	β Tauri	11	20 1.84	- 0.55	- 8.59	10 20 0.88	44.586	+ 10.0	60.6	5 19 . .	.	.	.
36	δ Orionis	11	26 58.48	- 0.54	- 8.63	39 12 3.28	47.969	+ 44.6	62.3	5 26 . .	.	.	.
	July 18, L.												
37	Sun I, S.	11	51 8.47	- 0.54	- 8.59	18 9 59.32	43.968	+ 17.8	61.8	7 50 59.34	+67.70	+ 20 41 27.7	.
38	Sun II, N.	4	53 23.86	- 0.54	- 8.59	17 38 1.62	45.218	+ 17.2	61.8	7 53 14.73	-67.69	+ 21 12 59.8	.
39	Mercury I, C. . . .	11	11 17.89	- 0.54	- 8.58	21 4 2.35	47.795	+ 20.8	61.8	9 11 8.77	+ 0.20	+ 17 46 7.2	.
40	α Hydræ	9	22 45.06	- 0.55	- 8.59	47 4 0.08	43.760	+ 57.8	62.4	9 22 . .	.	.	.
41	α Leonis	11	3 7.31	- 0.54	- 8.55	26 22 1.22	48.566	+ 26.7	62.5	10 2 . .	.	.	.
42	Venus I, N.	6	25 20.87	- 0.54	- 8.56	27 25 45.35	46.695	+ 27.9	61.8	10 25 11.77	+ 0.62	+ 11 24 38.3	.
43	Venus II	5	25 21.86	- 0.54	- 8.56	27 26 . .	.	.	.	10 25 12.76	- 0.37	.	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
9	1 28	29.706	66.0	63.5	2, 8.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	10	+ 21 50.4	- 15 12.3	.	+ 6 38.1
10	13 19	29.782	76.4	75.8	3, 5, 9, 23.	Bisections at II, VI, VII.	17	+ 2.5	- 15 44.2	.	- 15 41.7
	1 10	29.931	62.0	58.7	4.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	18	+ 2.5	+ 15 44.2	.	+ 15 46.7
	1 57	29.957	63.7	60.4	10.	Bisections at II, III, IV, V, VI.	26	+ 2.6	- 15 45.7	.	- 15 43.1
	4 16	30.006	72.6	69.7	17, 26, 30, 37.	Bisections at I, II.	27	+ 2.6	+ 15 45.8	.	+ 15 48.4
	4 51	30.030	73.0	69.6	18, 27, 38.	Bisections at VI, VII.	31	+ 3.3	.	- 0.5	+ 2.8
	7 25	30.022	76.0	74.6	40.	Bisections at I, VI.	37	+ 2.7	+ 15 46.0	.	+ 15 48.7
15	55	30.040	69.0	65.3	42.	Bisections at II, VI.	38	+ 2.6	- 15 46.0	.	- 15 43.4
	16 29	30.048	67.5	65.2			39	+ 2.6	.	- 0.1	+ 2.5
	4 43	29.848	82.8	82.1			42	+ 3.5	7.3	.	- 3.8
	5 26	29.848	84.8	83.7							
	6 20	29.848	86.6	86.3							
	7 2	29.844	88.2	87.9							
16	7 45	29.836	89.7	88.2							
	9 0	29.828	91.2	90.9							
	9 55	29.818	92.8	91.9							
	10 34	29.806	94.0	92.9							
	11 15	29.790	93.6	93.1							
17	4 54	29.920	81.1	79.8							
	5 24	29.926	82.8	81.7							
18	7 53	29.920	88.8	87.7							
	9 14	29.904	89.2	88.9							
	10 6	29.890	91.4	90.2							
	10 28	29.888	91.2	89.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	July 19, S.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Tauri	11	30 14.32	- 0.58	- 7.60	22 32 10.25	46.820	+	22.9	69.5	4 30 . . .		
2	β Orionis	11	9 47.89	- 0.61	- 7.62	47 10 9.92	42.992	+	59.0	69.8	5 9 . . .		
3	ϵ Orionis	11	31 12.12	- 0.60	- 7.66	40 6 9.92	46.496	+	46.0	69.7	5 31 . . .		
4	α Orionis	11	49 48.87	- 0.59	- 7.58	31 28 9.58	43.258	+	33.4	70.0	5 49 . . .		
	July 20, S.												
5	Sun I, S.	6	59 8.76	- 0.58	- 7.56	18 32 10.98	44.248	+	18.1	69.8	7 59 0.62	+67.49	+ 20 19 18.4
6	Sun II, S.	11	1 23.74	- 0.58	- 7.56	18 0 13.12	45.440	+	17.6	69.8	8 1 15.60	-67.49	+ 20 50 51.6
7	Mercury C, C.	11	24 25.35	- 0.58	- 7.53	22 16 13.62	45.810	+	22.0	69.8	9 24 17.24	+ 0.04	+ 16 34 40.2
8	ϵ Leonis	10	40 13.73	- 0.58	- 7.55	14 36 8.82	46.931	+	14.0	70.0	9 40 . . .		
9	γ Leonis	11	14 30.96	- 0.58	- 7.49	18 30 7.90	44.280	+	18.0	69.8	10 14 . . .		
10	Venus I, S.	6	34 3.98	- 0.58	- 7.51	28 22 10.20	44.948	+	29.0	69.8	10 33 55.89	+ 0.52	+ 10 28 53.9
11	Venus II, N.	5	34 4.80	- 0.58	- 7.51	28 22 10.20	44.250	+	28.9	69.8	10 33 56.71	- 0.30	+ 10 29 7.3
12	δ Leonis	11	8 51.19	- 0.58	- 7.49	17 46 9.55	45.825	+	17.2	69.8	11 8 . . .		
	July 20, L.												
13	ϵ Aurigæ	11	50 31.30	- 0.64	- 7.32	5 50 9.40	47.931	+	5.6	69.0	4 50 . . .		
14	β Orionis	11	9 47.73	- 0.64	- 7.41	47 10 10.72	42.974	+	58.7	70.1	5 9 . . .		
15	β Tauri	11	20 0.71	- 0.63	- 7.30	10 20 8.70	44.608	+	10.0	68.9	5 19 . . .		
16	δ Orionis	11	26 57.28	- 0.63	- 7.27	39 12 11.02	47.971	+	44.4	70.3	5 26 . . .		
	July 21, L.												
17	Sun I, N.	11	3 8.18	- 0.62	- 7.32	18 12 8.78	44.572	+	17.8	69.6	8 3 0.24	+67.52	+ 20 39 14.5
18	Sun II, S.	11	5 23.21	- 0.62	- 7.32	18 44 9.12	42.915	+	18.3	69.6	8 5 15.27	-67.51	+ 20 7 43.1
19	α Hydræ	11	22 43.85	- 0.64	- 7.29	47 4 8.00	43.704	+	57.8	69.9	9 22 . . .		
20	Mercury C, C.	11	30 43.90	- 0.62	- 7.32	22 52 8.25	47.739	+	22.8	69.6	9 30 35.96	+ 0.04	+ 15 55 8.2
21	ϵ Leonis	8	40 13.59	- 0.63	- 7.36	14 36 9.22	46.938	+	14.1	69.1	9 40 . . .		
	July 23, L.												
22	ν Leonis	8	31 52.56	- 0.57	- 6.40	39 6 10.12	46.555	+	44.6	70.6	11 31 . . .		
23	Moon I, N.	11	43 28.01	- 0.59	- 6.41	42 54 11.05	43.425	+	51.0	70.2	11 43 21.01	+63.48	- 4 6 14.5
24	α Virginis	11	0 9.90	- 0.55	- 6.37	29 32 10.12	48.273	+	31.1	68.7	12 0 . . .		
25	γ Corvi	11	10 42.76	- 0.61	- 6.45	55 48 9.30	47.826	+	20.5	70.3	12 10 . . .		
26	η Virginis	11	14 50.44	- 0.57	- 6.40	38 56 11.38	47.698	+	44.2	71.0	12 14 . . .		
27	α Ursæ Minoris S. P.	8	22 6.02	+ 7.19	[- 6.16]	307 38 10.38	46.091	-	10.6	[71.0]	1 22 . . .		
28	α Ursæ Minoris	8	22 18.49	- 4.99	[- 5.95]	310 6 8.70	47.215	-	6.6	[69.7]	1 22 . . .		
29	α Piscium	11	40 10.06	- 0.55	- 6.16	30 12 12.55	44.285	+	32.9	[68.0]	1 40 . . .		
	July 25, K.												
30	Sun I, N.	11	18 59.47	- 0.51	- 5.59	19 0 7.55	49.680	+	18.9	69.8	8 18 53.37	+67.11	+ 19 49 36.8
31	Sun II, S.	11	21 13.69	- 0.51	- 5.59	19 32 5.98	48.380	+	19.4	69.8	8 21 7.59	-67.11	+ 19 18 0.6
32	ϵ Leonis	5	40 11.74	- 0.52	- 5.62	14 36 . . .							
33	Mercury I, C.	11	54 17.45	- 0.51	- 5.61	25 22 6.88	46.536	+	25.8	69.8	9 54 11.33	+ 0.21	+ 13 28 29.8
34	α Leonis	11	3 4.33	- 0.51	- 5.60	26 22 10.42	48.472	+	27.0	70.2	10 2 . . .		
35	γ Leonis	11	14 29.05	- 0.52	- 5.65	18 30 6.38	44.322	+	18.2	69.1	10 14 . . .		
36	ρ Leonis	7	27 34.41	- 0.52	- 5.58	29 0 7.32	48.592	+	30.1	69.6	10 27 . . .		
37	Venus I, C.	11	55 32.42	- 0.52	- 5.62	30 44 11.48	46.709	+	32.3	69.8	10 55 26.28	+ 0.52	+ 8 6 15.5
38	γ Corvi	11	10 41.88	- 0.56	- 5.63	55 48 10.50	47.798	+	19.7	70.3	12 10 . . .		
39	β Corvi	11	29 10.14	- 0.58	- 5.67	61 40 2.82	45.502	+	40.1	70.9	12 29 . . .		
40	θ Virginis	11	4 48.74	- 0.53	- 5.64	43 50 5.52	46.543	+	51.9	69.7	13 4 . . .		
41	α Virginis	11	19 57.87	- 0.54	- 5.61	49 28 6.32	46.130	+	3.1	68.8	13 19 . . .		
42	α Ursæ Minoris S. P.	4	22 10.38	+ 8.41	[- 9.63]	307 38 8.10	46.199	-	9.6	[70.0]	1 22 . . .		
43	Moon I, N.	8	23 16.86	- 0.56	- 5.64	53 50 4.68	48.385	+	13.8	69.8	13 23 10.66	+67.31	- 15 0 51.2

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m in.	°	°					' "	' "	"	' "
19 4 33	29.849	78.6	77.6	5, 17, 21, 30.	Bisections at I, II.	5	+	2.7	+15 46.6	+15 49.3
5 53	29.854	83.8	82.6	6, 7, 18, 31, 36, 41.	Bisections at VI, VII.	6	+	2.7	-15 46.6	-15 43.9
20 8 1	29.834	88.2	86.8	10.	Bisections at II, VI.	7	+	2.8	. . .	2.6
9 28	29.831	91.8	89.7	11.	Bisections at I, VI.	10	+	3.6	+ 6.8	+ 10.2
10 20	29.814	93.0	90.8	23, 43.	Bisections at II, III, IV, V, VI.	11	+	3.6	+ 6.8	3.2
11 14	29.811	90.8	82.9	24, 40.	Bisections at II, VI, VII.	17	+	2.7	-15 45.6	-15 42.9
4 53	29.856	83.0	82.2	27, 28.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	18	+	2.8	+15 45.7	+15 48.5
5 12	. . .	. . .	82.9	42.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ .	20	+	2.9	. . .	2.7
5 29	29.862	84.3	83.3			23	+38	7.5	-15 19.8	+22 47.7
8 5	29.850	87.1	85.0			30	+	2.8	-15 48.0	-15 45.2
9 26	29.832	90.2	88.1			31	+	2.9	+15 48.1	+15 51.0
11 35	29.990	83.9	81.3			33	+	3.4	. . .	3.1
12 18	29.990	83.5	81.9			37	+	4.0	. . .	3.3
13 27	29.976	82.7	80.9			43	+46	21.0	-15 42.7	+30 38.3
1 27	29.998	69.6	66.9							
8 21	29.948	83.5	82.9						- 0.3	
9 41	29.920	89.2	84.7						- 0.7	
10 16	29.990	85.8	84.9							
10 57	29.896	86.2	85.3							
12 12	29.856	85.0	85.2							
13 26	29.830	84.8	86.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	July 25, La.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ε Orionis	11	31 10.02	- 0.63	- 5.39	40 6 4.85	46.781	+ 46.0	70.9	5 31 . .	. .		. .
2	α Orionis	11	49 46.76	- 0.62	- 5.30	31 28 3.88	43.502	+ 33.3	69.4	5 49 . .	. .		. .
3	α Canis Minoris	10	34 5.28	- 0.62	- 5.25	33 22 5.38	44.070	+ 35.6	69.7	7 33 . .	. .		. .
	July 26, La.												
4	Sun I, S.	11	22 55.95	- 0.62	- 5.29	19 46 3.00	46.308	+ 19.5	70.0	8 22 50.04	+67.10	+ 19 4 45.7	. .
5	Sun II, N.	10	25 10.16	- 0.62	- 5.29	19 14 3.08	47.640	+ 18.9	70.0	8 25 4.25	-67.11	+ 19 36 18.4	. .
6	Mercury I, C.	11	59 47.09	- 0.62	- 5.27	26 0 3.50	46.264	+ 26.2	70.0	9 59 41.20	+ 0.21	+ 12 50 38.3	. .
	July 27, L.												
7	α ² Geminorum	11	28 12.94	- 0.58	- 4.76	6 44 9.12	46.791	+ 6.5	69.8	7 28 . .	. .		. .
8	α Canis Minoris	11	34 4.89	- 0.57	- 4.88	33 22 10.00	43.825	+ 35.7	69.8	7 33 . .	. .		. .
9	β Geminorum	11	39 11.80	- 0.58	- 4.76	10 34 9.45	47.780	+ 10.2	69.4	7 39 . .	. .		. .
	July 28, L.												
10	Venus I, N.	6	8 13.28	- 0.57	- 4.78	32 12 10.82	46.230	+ 34.1	69.7	11 8 7.93	+ 0.53	+ 6 38 23.5	. .
11	Venus II, S.	5	8 14.10	- 0.57	- 4.78	32 12 10.82	47.015	+ 34.1	69.7	11 8 8.75	- 0.29	+ 6 38 8.4	. .
12	δ Scorpii	11	54 27.30	- 0.68	- 4.73	61 10 10.85	44.454	+ 1 38.8	69.6	15 54 . .	. .		. .
13	β ² Scorpii	11	59 39.55	- 0.67	- 4.80	58 22 10.48	44.021	+ 1 28.3	70.4	15 59 . .	. .		. .
14	δ Ophiuchi	11	9 8.92	- 0.62	- 4.78	42 16 12.80	46.624	+ 49.6	70.0	16 9 . .	. .		. .
15	Moon I, N.	11	22 45.33	- 0.72	- 4.76	64 28 11.52	43.527	+ 1 53.8	70.0	16 22 39.85	+75.49	- 25 38 4.7	. .
16	ζ Ophiuchi	11	31 41.65	- 0.64	- 4.73	49 12 11.35	45.148	+ 1 3.2	69.9	16 31 . .	. .		. .
	July 28, K.												
17	α Orionis	11	49 45.93	- 0.51	- 4.51	31 28 6.42	43.402	+ 33.3	70.3	5 49 . .	. .		. .
18	μ Geminorum	11	16 54.51	- 0.52	- 4.47	16 16 . .	. .	. .	. .	6 16 . .	. .		. .
19	γ Geminorum	11	31 56.13	- 0.51	- 4.46	22 22 8.05	44.444	+ 22.2	70.2	6 31 . .	. .		. .
20	α Canis Majoris	11	40 45.55	- 0.53	- 4.60	55 24 8.45	46.730	+ 1 18.4	70.0	6 40 . .	. .		. .
	July 29, K.												
21	Sun I, N.	11	34 41.60	- 0.52	- 4.47	19 56 10.38	46.288	+ 19.6	70.1	8 34 36.61	+66.87	+ 18 54 38.6	. .
22	Sun II, S.	11	36 55.35	- 0.52	- 4.47	20 28 6.90	44.895	+ 20.1	70.1	8 36 50.36	-66.88	+ 18 23 6.2	. .
23	ε Leonis	11	40 10.62	- 0.52	- 4.48	14 36 9.45	46.932	+ 14.0	69.9	9 40 . .	. .		. .
24	α Leonis	11	3 3.18	- 0.51	- 4.45	26 22 10.05	48.495	+ 26.6	69.9	10 2 . .	. .		. .
25	Mercury I, C.	11	15 19.38	- 0.51	- 4.44	27 54 7.82	44.789	+ 28.4	70.1	10 15 14.43	+ 0.22	+ 10 57 0.1	. .
26	δ Leonis	11	8 47.98	- 0.52	- 4.38	17 46 6.25	46.028	+ 17.2	70.1	11 8 . .	. .		. .
27	Venus I, C.	11	12 24.72	- 0.51	- 4.43	32 42 5.00	45.798	+ 34.4	70.1	11 12 19.78	+ 0.53	+ 6 8 37.7	. .
28	α ¹ Herculis	11	10 8.13	- 0.55	- 4.40	24 20 1.10	47.150	+ 24.6	70.3	17 10 . .	. .		. .
29	δ Ophiuchi	11	20 17.76	- 0.58	- 4.37	62 54 3.32	47.285	+ 1 45.9	70.4	17 20 . .	. .		. .
30	Moon I, N.	11	30 22.10	- 0.61	- 4.37	64 54 5.48	47.118	+ 1 55.7	70.3	17 30 17.12	+76.64	- 26 5 8.5	. .
31	Moon S.	. .	. .	. .	. .	65 27 47.22	45.390	+ 1 58.7	70.3		. .	- 26 38 21.1	. .
32	γ ² Sagittarii	11	59 25.21	- 0.61	- 4.47	69 14 4.42	47.159	+ 2 22.7	71.0	17 59 . .	. .		. .
33	δ Ursæ Minoris	7	5 20.97	- 4.36	[- 4.25]	312 16 4.80	43.529	- 59.6	[71.2]	18 5 . .	. .		. .
34	μ Sagittarii	11	7 49.24	- 0.58	- 4.34	59 54 7.02	48.198	+ 1 33.8	69.5	18 7 . .	. .		. .
	July 29, B.												
35	β Tauri	11	19 57.69	- 0.59	- 4.05	10 20 3.78	44.948	+ 10.0	70.6	5 19 . .	. .		. .
36	δ Orionis	11	26 54.30	- 0.58	- 4.12	39 12 6.45	48.228	+ 44.4	71.8	5 26 . .	. .		. .
37	ε Orionis	11	31 8.83	- 0.58	- 4.15	40 6 3.42	46.844	+ 45.9	71.2	5 31 . .	. .		. .
38	α Orionis	11	49 45.56	- 0.57	- 4.06	31 28 3.18	43.614	+ 33.3	71.3	5 49 . .	. .		. .
39	δ Ursæ Minoris S. P.	11	5 13.25	+ 3.78	[- 4.83]	305 30 1.48	44.098	- 1 15.8	[69.6]	18 5 . .	. .		. .
40	μ Geminorum	11	16 54.18	- 0.58	- 4.06	16 16 3.52	48.894	+ 15.9	71.9	6 16 . .	. .		. .
	July 30, B.												
41	Sun I, N.	11	38 35.39	- 0.58	- 4.04	20 10 1.85	48.250	+ 19.8	71.5	8 38 30.77	+66.83	+ 18 40 10.7	. .
42	Sun II, S.	11	40 49.05	- 0.58	- 4.03	20 42 1.32	46.955	+ 20.4	71.5	8 40 44.44	-66.84	+ 18 8 33.4	. .
43	ε Leonis	11	40 10.25	- 0.58	- 4.05	14 36 2.35	47.355	+ 14.0	70.9	9 40 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
25 5 35	29.810	82.8	81.1	4, 21, 41.	Bisections at I, II.	4	+ 2.9	+15 46.3	. .	+15 49.2
7 34	29.794	87.2	85.9	5, 22, 34, 42.	Bisections at VI, VII.	5	+ 2.9	-15 46.4	. .	-15 43.5
26 8 25	29.790	87.1	84.9	10.	Bisections at II, VI.	6	+ 3.5	. .	- 0.3	+ 3.2
10 5	29.772	90.8	88.2	11.	Bisections at I, VII.	10	+ 4.2	- 7.8	. .	- 3.6
27 7 31	29.742	83.8	82.7	15.	Bisections at II, III, IV, V, VI	11	+ 4.2	+ 7.8	- 0.5	+ 11.5
7 43	29.742	84.1	83.0	30.	Bisections at I, II, III.	15	+53 55.9	-16 21.0	. .	+37 34.9
28 11 12	29.720	86.1	84.1	31.	Bisections at V, VI, VII.	21	+ 3.0	-15 46.2	. .	-15 43.2
15 58	29.704	80.8	78.9	33.	Bisections at B ₂ , B ₃ , C ₂ , C ₃ , C ₄ , C ₅ .	22	+ 3.0	+15 46.2	. .	+15 49.2
16 36	29.722	79.9	78.5	39.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	25	+ 4.0	. .	- 0.4	+ 3.6
5 52	29.788	84.0	82.8			27	+ 4.4	. .	- 0.7	+ 3.7
6 30	29.800	85.6	84.3			30	+54 40.9	-16 28.8	. .	+38 12.1
8 36	29.796	89.0	87.9			31	+54 55.9	+16 28.8	0.0	+71 24.7
9 42	29.792	90.3	88.9			41	+ 3.0	-15 48.6	. .	-15 45.6
11 6	29.774	93.8	90.1			42	+ 3.1	+15 48.6	. .	+15 51.7
17 10	29.752	84.4	82.2							
18 7	29.782	84.4	81.1							
5 18	29.796	82.6	81.3							
6 20	29.798	84.4	82.9							
7 40	29.796	87.0	86.1							
8 40	29.776	88.8	87.6							
9 44	29.760	90.6	89.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.	Clock.							
			m s	s	s	° ' "	rev.	' "	h m s	s	° ' "	"
1	μ Leonis	8	47 4.37	- 0.59	- 4.10	12 22 7.92	45.299	+ 11.8	71.4 9 46	.	.	.
2	α Leonis	10	3 2.80	- 0.57	- 4.01	26 22 9.60	48.652	+ 26.6	72.4 10 2	.	.	.
3	γ Leonis	10	14 27.39	- 0.58	- 3.93	18 30 9.10	44.325	+ 18.0	71.5 10 14	.	.	.
4	Mercury C. C.	11	20 11.85	- 0.57	- 4.01	28 32 9.55	43.552	+ 29.1	71.5 10 20 7.27	+ 0.07	+ 10 19 22.8	.
5	δ Leonis	11	8 47.60	- 0.58	- 3.95	17 46 9.80	45.928	+ 17.2	71.7 11 8	.	.	.
6	Venus I. C.	11	16 35.51	- 0.57	- 4.02	33 12 9.40	44.909	+ 35.0	71.5 11 16 30.92	+ 0.53	+ 5 38 51.1	.
7	δ Ursæ Minoris	8	5 20.49	- 3.89	- 4.56	312 16 8.00	43.282	- 59.7	[69.6] 18 5	.	.	.
8	η Serpentis	11	16 10.60	- 0.53	- 4.14	41 46 10.92	45.108	+ 48.7	71.3 18 16	.	.	.
9	ϵ Aquilæ	11	29 48.22	- 0.54	- 4.07	47 8 10.40	48.951	+ 58.8	70.8 18 29	.	.	.
10	Moon I. S.	11	38 40.61	- 0.60	- 4.12	63 55 57.88	46.334	+ 51.1	70.6 18 38 35.89	+ 76.15	- 25 6 41.6	.
11	σ Sagittarii	11	49 5.98	- 0.58	- 4.14	65 14 6.55	47.599	+ 57.8	70.0 18 49	.	.	.
12	δ Sagittarii	11	11 49.35	- 0.56	- 4.14	57 58 7.42	44.798	+ 27.0	70.4 19 11	.	.	.
July 31, L.												
13	α Orionis	11	49 45.04	- 0.67	- 3.39	31 28 10.40	43.120	+ 33.4	69.3 5 49	.	.	.
14	γ Geminorum	11	31 55.29	- 0.67	- 3.39	22 22 12.15	44.169	+ 22.4	69.2 6 31	.	.	.
15	α Canis Majoris	11	40 44.70	- 0.70	- 3.53	55 24 9.78	46.646	+ 18.7	70.5 6 40	.	.	.
16	α Canis Minoris	11	34 3.49	- 0.67	- 3.32	33 22 10.45	43.809	+ 35.7	70.1 7 33	.	.	.
August 1, L.												
17	Sun I. S.	11	46 21.65	- 0.67	- 3.36	21 12 12.50	45.995	+ 20.9	69.9 8 46 17.62	+ 66.55	+ 17 38 40.6	.
18	Sun II. N.	11	48 34.75	- 0.67	- 3.36	20 40 9.38	47.365	+ 20.4	69.9 8 48 30.72	- 66.55	+ 18 10 15.9	.
19	α Leonis	11	3 2.19	- 0.66	- 3.30	26 22 10.52	48.500	+ 26.7	70.5 10 2	.	.	.
20	α Virginis	11	19 55.62	- 0.69	- 3.28	49 28 10.20	46.035	+ 3.2	70.0 13 19	.	.	.
21	α Ursæ Minoris s. p.	6	22 9.90	+ 11.42	- 4.76	307 38 8.15	46.270	- 9.7	[71.4] 1 22	.	.	.
22	α^2 Capricorni	11	12 32.19	- 0.71	- 3.24	51 42 10.95	43.915	+ 9.7	70.7 20 12	.	.	.
23	π Capricorni	11	21 37.57	- 0.74	- 3.18	57 22 9.95	46.549	+ 25.9	71.1 20 21	.	.	.
24	ϵ Delphini	11	28 28.21	- 0.64	- 3.15	27 54 11.20	42.580	+ 29.2	69.8 20 28	.	.	.
25	Moon I. N.	11	47 41.82	- 0.75	- 3.19	55 6 2.75	44.424	+ 18.9	70.2 20 47 37.88	+ 71.78	- 16 15 38.0	.
26	Moon II	11	50 5.37	- 0.75	- 3.19	55 22	45.22	.	20 50 1.43	- 71.77	.	.
27	ζ Cygni	11	8 43.30	- 0.62	- 3.18	9 2 2.75	46.795	+ 8.8	69.3 21 8	.	.	.
28	β Andromedæ	8	4 8.50	- 0.62	- 3.14	3 46 12.78	45.839	+ 3.7	70.2 1 4	.	.	.
29	α Ursæ Minoris	11	22 26.94	- 6.34	- 3.59	310 6 7.65	47.189	- 5.5	[70.8] 1 22	.	.	.
August 1, Br.												
30	α Orionis	11	49 44.57	- 0.56	- 3.00	31 28 10.28	43.172	+ 33.6	70.5 5 49	.	.	.
31	δ Ursæ Minoris s. p.	5	5 11.00	+ 1.95	- 0.83	305 30 8.18	43.860	- 16.5	[70.7] 18 5	.	.	.
32	γ Geminorum	11	31 54.84	- 0.55	- 3.04	22 22 10.30	44.272	+ 22.6	69.0 6 31	.	.	.
33	β Geminorum	11	39 10.18	- 0.54	- 3.09	10 34 9.55	47.832	+ 10.2	70.1 7 39	.	.	.
August 2, Br.												
34	Sun I. N.	11	50 13.64	- 0.55	- 2.99	20 56 4.22	45.760	+ 20.8	70.5 8 50 10.10	+ 66.44	+ 17 54 54.1	.
35	Sun II. S.	11	52 26.53	- 0.55	- 2.99	21 28 4.58	44.260	+ 21.4	70.5 8 52 22.99	- 66.45	+ 17 23 19.8	.
36	α Hydræ	11	22 39.57	- 0.60	- 3.00	47 4 8.60	43.562	+ 58.2	70.1 9 22	.	.	.
37	α Leonis	11	3 1.77	- 0.55	- 2.99	26 22 9.98	48.550	+ 26.9	71.2 10 2	.	.	.
38	Mercury C. C.	10	33 52.81	- 0.56	- 2.95	30 22 9.25	47.184	+ 31.7	70.5 10 33 49.30	+ 0.07	+ 8 28 9.9	.
39	δ Leonis	11	8 46.58	- 0.54	- 2.97	17 46 9.65	45.902	+ 17.3	70.9 11 8	.	.	.
40	Venus I. N.	11	29 2.15	- 0.57	- 2.93	34 42 10.35	44.700	+ 37.4	70.5 11 28 58.65	+ 0.54	+ 4 8 50.8	.
41	Venus S.	11		.	.	34 42 10.35	45.572	+ 37.4	70.5	.	+ 4 8 34.1	.
42	β Leonis	11	43 56.87	- 0.55	- 2.85	23 42 10.38	46.946	+ 23.7	71.6 11 43	.	.	.
August 3, La.												
43	Sun I. N.	11	54 5.01	- 0.63	- 2.41	21 10 11.42	50.670	+ 20.9	71.3 8 54 1.97	+ 66.39	+ 17 39 13.4	.
44	Sun II. S.	11	56 17.78	- 0.63	- 2.41	21 42 9.38	49.322	+ 21.4	71.3 8 56 14.74	- 66.38	+ 17 7 38.7	.
45	α Leonis	8	3 1.34	- 0.63	- 2.47	26 22 4.62	48.846	+ 26.6	71.2 10 2	.	.	.

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
30	10	26	29.764	93.2	90.4	7, 29.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	4	+ 4.1	.	- 0.4	+ 3.7
	11	2	29.759	92.4	90.1	10, 25.	Bisections at II, III, IV, V, VI.	6	+ 4.4	.	- 0.8	+ 3.6
	11	22	29.750	92.8	90.1	17, 34, 43.	Bisections at I, II.	10	+ 54 35.0	+ 16 37.2	.	+ 71 12.2
	18	10	29.734	81.8	79.9	18, 35, 44.	Bisections at VI, VII.	17	+ 3.1	+ 15 47.6	.	+ 15 50.7
	19	20	29.740	81.2	79.3		Bisections at C ₁ , C ₂ , C ₃ .	18	+ 3.1	- 15 47.7	.	- 15 44.6
31	5	46	29.862	83.1	81.0		Bisections at C ₃ , C ₂ , C ₁ .	25	+ 49 41.0	- 16 34.7	.	+ 33 6.3
	6	29	29.866	84.2	82.8		Bisections at C ₃ , C ₁ .	34	+ 3.1	- 15 47.1	.	- 15 44.0
	6	44			83.8		Bisections at I, II, VI.	35	+ 3.2	+ 15 47.1	.	+ 15 50.3
	7	31	29.870	86.8	85.2		Bisections at I, II, VI.	38	+ 4.5	.	- 0.5	+ 4.0
	8	49	29.864	89.8	88.6		Bisections at II, VI, VII.	40	+ 4.7	8.6	.	+ 3.9
	10	5			88.6		Bisections at I, VII.	41	+ 4.7	8.6	- 0.5	+ 12.8
	13	31	29.820	85.2	85.7		Bisections at II, VI.	43	+ 3.1	15 47.3	.	- 15 44.2
	20	15	29.836	79.0	76.1			44	+ 3.2	15 47.3	.	+ 15 50.5
	21	12	29.842	78.1	75.2							
	1	27	29.850	75.4	72.8							
	5	44	29.906	81.5	78.9							
	6	37	29.918	82.9	80.3							
	7	45	29.920	85.5	83.1							
2	8	52	29.914	86.8	84.7							
	9	27	29.916	87.7	86.0							
	10	38	29.902	90.6	87.6							
	11	35	29.884	90.5	87.9							
	11	47	29.880	90.0	87.9							
3	8	56	29.840	89.5	86.6							
	10	8	29.814	91.0	91.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Mercury I, C.	11	38 7.40	-0.63	-2.40	30 58 4.80	48.200	+ 32.1	71.3	10 38 4.37	+ 0.23	+ 7 51 55.0	
2	δ Leonis.	4	8 46.03	-0.63	-2.35	17 46 . .	. .	. .	. .	11 8 . .	. .	. .	. .
3	β Leonis.	11	43 56.42	-0.63	-2.32	23 42 0.42	47.370	+ 23.5	70.0	11 43 . .	. .	. .	. .
4	γ Corvi	11	10 38.67	-0.67	-2.40	55 48 4.15	48.218	+ 18.4	72.3	12 10 . .	. .	. .	. .
5	β Corvi	11	29 6.95	-0.69	-2.46	61 40 3.62	45.539	+ 138.5	71.8	12 29 . .	. .	. .	. .
6	α Canum Venat.	8	51 20.48	-0.67	-2.33	359 58 . .	. .	. .	. .	12 51 . .	. .	. .	. .
7	α Ursæ Minoris S. P.	11	22 10.99	+10.97	[-3.68]	307 38 1.92	46.447	- 1 8.7	[69.2]	1 22 . .	. .	. .	. .
8	η Aquarii	11	30 13.84	-0.55	-2.31	39 28 6.62	47.891	+ 45.2	71.2	22 30 . .	. .	. .	. .
9	ζ Pegasi	11	36 29.29	-0.54	-2.31	28 32 8.00	47.019	+ 29.9	70.5	22 36 . .	. .	. .	. .
10	Moon II, N.	11	43 36.93	-0.57	-2.31	42 54 7.02	46.866	+ 51.0	70.2	22 43 34.05	-67.46	- 4 4 1.3	
11	λ Aquarii	11	47 24.58	-0.56	-2.31	46 57 52.62	43.735	+ 58.7	69.6	22 47 . .	. .	. .	. .
12	α Pegasi	11	59 47.47	-0.54	-2.28	24 12 5.90	42.856	+ 24.7	70.3	22 59 . .	. .	. .	. .
13	β Andromedæ	11	3 7.68	-0.57	-2.31	3 46 5.32	46.175	+ 3.7	69.6	1 4 . .	. .	. .	. .
14	α Ursæ Minoris	11	22 29.55	-10.53	[-0.31]	310 6 4.25	47.363	- 1 5.1	[71.6]	1 22 . .	. .	. .	. .
	August 3, L.												
15	α Orionis	11	49 43.90	-0.60	-2.24	31 28 3.78	43.509	+ 33.2	70.1	5 49 . .	. .	. .	. .
16	α Canis Majoris	11	40 43.55	-0.63	-2.38	55 24 3.05	47.022	+ 18.1	70.8	6 40 . .	. .	. .	. .
17	δ Geminorum	11	14 6.84	-0.61	-2.21	16 40 5.12	48.095	+ 16.2	69.9	7 14 . .	. .	. .	. .
18	α Canis Minoris	8	34 2.37	-0.60	-2.22	33 22 4.65	44.167	+ 35.5	70.6	7 33 . .	. .	. .	. .
	August 4, L.												
19	Sun I, N.	11	57 55.98	-0.60	-2.21	21 28 9.65	44.390	+ 21.1	70.7	8 57 53.17	+66.34	+ 17 23 14.8	
20	Sun II, S.	9	0 8.66	-0.60	-2.21	22 0 11.12	42.809	+ 21.7	70.7	9 0 5.85	-66.34	+ 16 51 41.0	
21	α Hydræ	11	22 38.74	-0.61	-2.15	47 4 11.58	43.475	+ 57.6	70.4	9 22 . .	. .	. .	. .
22	α Leonis	11	3 1.02	-0.60	-2.18	26 22 6.10	48.785	+ 26.6	71.5	10 2 . .	. .	. .	. .
23	γ Leonis.	11	14 25.72	-0.61	-2.21	18 30 6.30	44.444	+ 17.9	70.6	10 14 . .	. .	. .	. .
24	Mercury I, C.	11	42 12.95	-0.60	-2.18	31 34 6.78	47.444	+ 32.9	70.7	10 42 10.17	+ 0.23	+ 7 16 6.4	
25	Venus I, S.	5	37 15.96	-0.60	-2.16	35 42 6.88	47.452	+ 38.4	70.7	11 37 13.20	+ 0.67	+ 3 8 0.7	
26	Venus II, N.	6	37 16.98	-0.60	-2.16	35 42 6.88	46.598	+ 38.4	70.7	11 37 14.22	- 0.35	+ 3 8 17.1	
27	γ Corvi	11	10 38.42	-0.63	-2.19	55 48 5.60	48.122	+ 18.5	71.4	12 10 . .	. .	. .	. .
	August 4, K.												
28	δ Geminorum	11	14 6.37	-0.49	-1.84	16 40 7.55	47.898	+ 16.7	70.3	7 14 . .	. .	. .	. .
29	α Canis Minoris	11	34 1.89	-0.51	-1.81	33 22 7.48	43.965	+ 36.5	71.3	7 33 . .	. .	. .	. .
30	β Geminorum	11	39 8.87	-0.49	-1.76	10 34 6.95	48.050	+ 10.4	70.3	7 39 . .	. .	. .	. .
	August 5, K.												
31	Sun I, S.	11	1 46.05	-0.50	-1.76	22 16 5.78	43.900	+ 22.7	70.5	9 1 43.79	+66.19	+ 16 35 26.3	
32	Sun II, N.	11	3 58.44	-0.50	-1.76	21 44 7.58	45.062	+ 22.1	70.5	9 3 56.18	-66.20	+ 17 7 0.7	
33	γ Leonis	11	14 25.11	-0.49	-1.72	18 30 7.25	44.290	+ 18.5	70.4	10 14 . .	. .	. .	. .
34	Mercury I, C.	11	46 8.48	-0.51	-1.71	32 10 3.62	44.934	+ 34.6	70.5	10 46 6.26	+ 0.24	+ 6 40 55.8	
35	δ Leonis	11	8 45.20	-0.49	-1.66	17 46 8.98	45.895	+ 17.7	70.4	11 8 . .	. .	. .	. .
36	α Virginis	11	19 53.83	-0.56	-1.67	49 28 9.60	45.992	+ 1 4.0	70.3	13 19 . .	. .	. .	. .
37	α Ursæ Minoris S. P.	3	22 15.57	+ 5.29	[-0.83]	307 38 6.38	46.487	- 1 10.6	[70.3]	1 22 . .	. .	. .	. .
38	Moon II, N.	11	27 27.23	-0.49	-1.53	30 34 9.42	47.049	+ 33.2	69.4	0 27 25.21	-65.82	+ 8 16 9.8	
39	β Ceti	11	38 34.03	-0.56	-1.63	57 22 4.02	45.918	+ 1 27.6	69.5	0 58 . .	. .	. .	. .
40	ε Piscium	11	57 44.45	-0.48	-1.51	31 30 5.58	45.055	+ 34.5	68.8	0 57 . .	. .	. .	. .
41	β Andromedæ	11	4 6.76	-0.45	-1.44	3 46 5.62	46.075	+ 3.8	68.6	1 4 . .	. .	. .	. .
42	α Ursæ Minoris	5	22 26.48	-4.75	[-1.25]	310 6 4.88	47.199	- 1 6.4	[69.3]	1 22 . .	. .	. .	. .
43	η Piscium	11	26 6.90	-0.47	-1.53	24 2 8.42	43.324	+ 25.1	70.6	1 26 . .	. .	. .	. .
	August 6, Br.												
44	Sun I, S.	11	5 35.91	-0.49	-1.62	22 32 4.18	45.500	+ 22.8	69.4	9 5 33.80	+66.10	+ 16 18 56.0	
45	Sun II, N.	11	7 48.11	-0.49	-1.62	22 0 4.70	46.642	+ 22.2	69.4	9 7 46.00	-66.10	+ 16 50 32.1	

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°					' "	' "	"	' "
3 12 36	29.770	91.8	92.6	1, 4, 36.	Bisections at II, VI, VII.	1	+ 4.7	. .	. .	+ 0.5	+ 4.2
13 22	29.766	91.8	92.2	3.	Bisections at I, VI, VII.	10	+40 19.9	-16 13.5	. .	. .	+24 6.4
22 28	29.790	80.0	77.9	7, 14.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	19	+ 3.2	-15 46.8	. .	. .	-15 43.6
23 3	29.780	78.8	77.1	10, 38.	Bisections at II, III, IV, V, VI.	20	+ 3.3	+15 46.9	. .	. .	+15 50.2
1 0	29.780	76.6	74.9	11, 20, 28, 32, 33, 45.	Bisections at VI, VII.	24	+ 4.8	. .	. .	+ 0.5	+ 4.3
5 53	29.812	85.0	84.7	18.	Bisections at I, II, VI.	25	+ 4.9	+ 8.5	. .	+ 0.6	+ 12.8
6 43	29.820	87.9	87.7	19, 30, 31, 44.	Bisections at I, II.	26	+ 4.9	- 8.5	. .	. .	- 3.6
7 16	29.820	89.5	89.1	25.	Bisections at II, VI.	31	+ 3.3	+15 47.1	. .	. .	+15 50.4
9 22	29.800	89.6	89.5	26.	Bisections at I, VII.	32	+ 3.2	-15 47.2	. .	. .	-15 44.0
10 7	29.780	91.1	90.6	37.	Bisections at D ₃ , D ₂ , D ₁ .	34	+ 4.9	. .	. .	+ 0.6	+ 4.3
10 42	29.750	92.2	90.9	42.	Bisections at B ₁ , B ₂ , B ₃ , C ₁ , C ₂ .	38	+29 9.8	-15 43.0	. .	. .	+13 26.8
11 46	29.740	91.2	90.5			44	+ 3.3	+15 48.0	. .	. .	+15 51.3
12 13	29.740	91.2	90.3			45	+ 3.3	-15 48.1	. .	. .	-15 44.8
7 41	29.930	78.3	75.7								
9 3	29.938	78.6	75.8								
10 16	29.944	79.8	76.5								
11 11	29.940	82.3	77.6								
13 22	29.930	81.0	80.9								
0 22	29.936	69.8	68.2								
1 23	29.944	69.4	67.6								
6 9 8	29.984	83.4	81.4								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Mercury C, C. . .	11	49 54.54	- 0.50	- 1.58	32 44 9.95	46.178	+ 35.1	69.4	10 49 52.46	+ 0.09	+ 6 6 23.8	.
2	α Canum Venat. . .	11	51 19.46	- 0.48	- 1.55	359 58 8.58	49.000	+ 0.1	68.8	12 51 . .	.	.	.
3	α Virginis . . .	11	19 53.62	- 0.54	- 1.49	49 28 9.70	45.990	+ 1 3.7	70.1	13 19 . .	.	.	.
4	α Ursæ Minoris S. P. .	4	22 14.20	+ 5.27	[+ 1.48]	307 38 8.50	46.358	- 1 10.3	[69.7]	1 22 . .	.	.	.
5	ω Piscium . . .	11	54 10.04	- 0.60	- 1.23	32 32 11.52	46.454	+ 35.5	70.8	23 54 . .	.	.	.
6	γ Pegasi . . .	11	8 4.57	- 0.59	- 1.26	24 14 11.42	43.735	+ 25.1	70.4	0 8 . .	.	.	.
7	ε Piscium . . .	11	57 44.30	- 0.60	- 1.22	31 30 5.88	45.035	+ 34.1	68.5	0 57 . .	.	.	.
8	Moon N. . .	.	.	.	.	25 12 5.88	44.672	+ 26.2	69.9	1 17 . .	.	+ 13 39 6.4	.
9	α Ursæ Minoris . . .	6	22 30.08	- 7.82	[- 0.84]	310 6 5.18	47.180	- 1 5.7	[71.1]	1 22 . .	.	.	.
10	ω Piscium . . .	11	40 5.55	- 0.59	- 1.19	30 12 4.50	44.667	+ 32.4	69.8	1 40 . .	.	.	.
11	β Arietis . . .	11	49 5.45	- 0.58	- 1.20	18 32 5.70	45.889	+ 18.7	70.1	1 49 . .	.	.	.
August 7, S.													
12	β Arietis . . .	11	49 5.08	- 0.52	- 0.86	18 32 10.52	45.626	+ 18.6	70.0	1 49 . .	.	.	.
13	α Arietis . . .	11	1 30.20	- 0.52	- 0.93	15 52 9.18	45.113	+ 15.7	69.5	2 1 . .	.	.	.
14	Moon II, N. . .	11	9 52.97	- 0.53	- 0.88	20 38 10.25	46.958	+ 20.8	70.1	2 9 51.56	- 66.52	+ 18 12 23.8	.
15	ξ Ceti . . .	11	22 48.69	- 0.52	- 0.89	30 50 11.42	45.948	+ 33.0	70.6	2 22 . .	.	.	.
16	γ Ceti . . .	11	38 5.30	- 0.53	- 0.85	36 2 11.32	44.921	+ 40.2	70.3	2 38 . .	.	.	.
August 7, K.													
17	δ Geminorum . . .	7	14 5.49	- 0.58	- 0.81	16 40 4.72	48.105	+ 16.2	71.0	7 14 . .	.	.	.
18	α Geminorum . . .	11	28 9.15	- 0.59	- 0.73	6 44 8.20	46.974	+ 6.4	71.3	7 28 . .	.	.	.
19	α Canis Minoris . . .	11	34 0.99	- 0.57	- 0.80	33 22 9.78	43.889	+ 35.6	71.3	7 33 . .	.	.	.
20	β Geminorum . . .	11	40 8.01	- 0.59	- 0.74	10 34 7.12	47.942	+ 10.1	70.7	7 39 . .	.	.	.
August 8, K.													
21	Sun II, N. . .	11	15 25.70	- 0.57	- 0.76	22 34 8.15	46.015	+ 22.3	71.1	9 15 24.37	- 65.97	+ 16 16 42.3	.
22	α Ceti . . .	11	57 0.97	- 0.50	- 0.68	35 10 8.30	42.088	+ 39.1	70.5	2 56 . .	.	.	.
23	Moon II, N. . .	11	2 18.54	- 0.50	- 0.67	17 6 6.28	42.805	+ 17.1	71.5	3 2 17.37	- 67.24	+ 21 45 54.7	.
24	ξ Arietis . . .	9	9 6.55	- 0.49	- 0.66	18 10 3.65	48.135	+ 18.3	72.5	3 9 . .	.	.	.
August 15, Br.													
25	γ Geminorum . . .	11	31 51.97	- 0.57	+ 0.19	22 22 9.98	44.235	+ 22.8	69.1	6 31 . .	.	.	.
26	α Canis Majoris . . .	11	40 41.27	- 0.62	+ 0.16	55 24 8.70	46.481	+ 1 20.1	70.0	6 40 . .	.	.	.
27	α Canis Minoris . . .	11	34 0.20	- 0.58	+ 0.15	33 22 9.88	43.731	+ 36.3	69.4	7 33 . .	.	.	.
August 16, Br.													
28	Sun I, N. . .	11	43 24.14	- 0.58	+ 0.22	24 58 4.75	49.845	+ 25.5	69.7	9 43 23.78	+ 65.30	+ 13 51 29.7	.
29	Sun II, S. . .	11	45 34.75	- 0.58	+ 0.22	25 30 9.95	48.322	+ 26.1	69.7	9 45 34.39	- 65.31	+ 13 19 51.2	.
30	β Leonis . . .	11	43 53.72	- 0.57	+ 0.25	23 42 9.02	46.948	+ 23.9	70.0	11 43 . .	.	.	.
31	Venus I, N. . .	11	25 48.42	- 0.59	+ 0.26	41 48 8.58	49.112	+ 48.6	69.7	12 25 48.09	+ 0.60	- 2 58 44.0	.
32	Venus S. . .	.	.	.	.	41 48 8.58	49.998	+ 48.6	69.7	.	.	- 2 59 1.0	.
33	α Canum Venat. . .	11	51 17.67	- 0.60	+ 0.23	359 58 7.02	49.182	+ 0.1	69.7	12 51 . .	.	.	.
34	α Virginis . . .	11	19 51.77	- 0.60	+ 0.31	49 28 9.00	46.030	+ 1 3.5	70.0	13 19 . .	.	.	.
35	α Ursæ Minoris S. P. .	8	22 19.91	+ 9.04	[+ 1.36]	307 38 6.85	46.555	- 1 10.0	[70.1]	1 22 . .	.	.	.
36	α Bootis . . .	11	11 3.11	- 0.58	+ 0.31	19 8 8.80	46.190	+ 18.9	70.0	14 11 . .	.	.	.
August 16, K.													
37	α Geminorum . . .	11	28 8.05	- 0.56	+ 0.55	6 44 7.88	47.006	+ 6.5	70.9	7 28 . .	.	.	.
38	α Canis Minoris . . .	11	33 59.81	- 0.54	+ 0.52	33 22 7.35	43.965	+ 36.0	71.1	7 33 . .	.	.	.
39	β Geminorum . . .	11	39 6.91	- 0.55	+ 0.50	10 34 7.20	48.025	+ 10.3	70.5	7 39 . .	.	.	.
August 17, K.													
40	Sun I, S. . .	11	47 7.99	- 0.54	+ 0.56	25 50 2.28	46.430	+ 26.2	71.0	9 47 8.01	+ 65.21	+ 13 0 38.3	.
41	Sun II, N. . .	11	49 18.41	- 0.54	+ 0.56	25 18 1.85	47.435	+ 25.6	71.0	9 49 18.43	- 65.21	+ 13 32 18.0	.
42	Mercury I, C. . .	7	18 42.95	- 0.54	+ 0.58	37 54 10.10	46.988	+ 42.0	71.0	11 18 42.99	+ 0.29	+ 0 56 4.1	.
43	β Leonis . . .	8	43 53.33	- 0.54	+ 0.61	23 42 11.28	46.978	+ 23.7	71.2	11 43 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, IV, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 10 53	29.958	85.5	83.5	1, 3, 10.	Bisections at II, VI, VII.	1	+ 5.1	.	- 0.6	+ 4.5
11 18	29.948	85.5	83.3	4.	Bisections at D ₃ , D ₂ .	8	+ 23 58.9	- 15 27.9	.	+ 8 31.0
12 53	29.922	84.5	83.7	8, 14.	Bisections at II, III, IV, V, VI.	14	+ 19 32.9	- 15 14.5	.	+ 4 18.4
13 33	29.910	83.8	82.7	9.	Bisections at C ₃ , C ₄ , D ₁ , D ₂ .	21	+ 3.3	- 15 48.0	.	- 15 44.7
23 48	29.848	73.5	71.9	13.	Bisections at I, VI, VII.	23	+ 16 4.2	- 15 3.3	.	+ 1 0.9
0 52	29.840	73.0	71.4	17, 20, 21, 29, 41.	Bisections at VI, VII.	28	+ 3.7	- 15 49.2	.	- 15 45.5
1 54	29.842	72.6	71.2	22, 28, 40, 42, 43.	Bisections at I, II.	29	+ 3.7	+ 15 49.3	.	+ 15 53.0
2 52	29.778	76.2	73.9	23.	Bisections at II, III, IV.	31	+ 6.1	- 8.8	.	- 2.7
6 56	29.812	85.2	84.6	31.	Bisections at I, VII.	32	+ 6.1	+ 8.8	- 0.6	+ 14.3
7 14	29.808	87.0	85.8	32.	Bisections at II, VI.	40	+ 3.8	+ 15 49.8	.	+ 15 53.6
7 40	29.802	88.0	86.7	35.	Bisections at D ₃ , D ₂ , D ₁ .	41	+ 3.7	- 15 49.8	.	- 15 46.1
9 15	29.810	91.1	89.7			42	+ 7.0	.	- 1.1	+ 5.9
3 3	29.800	73.8	71.6							
6 27	29.996	77.5	76.5							
7 43	29.994	81.5	79.8							
9 46	29.980	84.8	83.1							
11 45	29.970	87.0	85.7							
12 19	29.960	87.5	85.2							
14 13	29.926	86.0	85.1							
7 24	29.896	81.8	80.8							
7 41	29.890	83.0	81.5							
9 49	29.874	87.8	86.1							
11 20	29.854	88.8	87.0							
11 44	29.850	89.6	87.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Virginis.	7	19 51.44	- 0.56	+ 0.59	49 28 8.50	46.140	+ 1 3.0	71.2	13 19 . .	. .		. .
2	α Ursæ Minoris s. p. August 17, Br.	2	22 19.35	+ 9.61	[+ 2.08]	307 38 5.52	46.653	- 1 9.6	[70.9]	1 22 . .	. .		. .
3	δ Geminorum	3	14 4.33	- 0.55	+ 0.56	16 40 8.90	47.978	+ 16.5	71.0	7 14 . .	. .		. .
4	α² Geminorum	6	28 7.96	- 0.56	+ 0.66	6 44 8.45	47.012	+ 6.5	71.1	7 28 . .	. .		. .
5	α Canis Minoris . . . August 18, Br.	4	33 59.78	- 0.56	+ 0.59	33 22 . .	. .	. .	. .	7 33 . .	. .		. .
6	Sun I, S.	11	50 51.30	- 0.55	+ 0.67	26 10 8.65	44.150	+ 26.7	70.9	9 50 51.42	+ 65.16	+ 12 41 15.0	. .
7	Sun II, N.	11	53 1.63	- 0.55	+ 0.67	25 38 8.82	45.030	+ 26.1	70.9	9 53 1.75	- 65.17	+ 13 12 56.6	. .
8	Mercury C, C. . . .	10	19 58.19	- 0.57	+ 0.71	38 14 8.90	43.642	+ 42.7	70.9	11 19 58.33	+ 0.13	+ 0 37 7.6	. .
9	β Leonis	11	43 53.20	- 0.55	+ 0.74	23 42 9.05	46.981	+ 23.8	70.5	11 43 . .	. .		. .
10	Venus I, N.	11	33 47.32	- 0.57	+ 0.74	42 50 8.48	45.938	+ 50.1	70.9	12 33 47.49	+ 0.61	- 3 59 43.3	. .
11	Venus S.	. .	. .	. .	. .	42 50 8.48	46.792	+ 50.1	70.9		. .	- 3 59 59.7	. .
12	η Bootis.	11	49 51.75	- 0.55	+ 0.76	19 56 7.88	47.052	+ 19.7	70.3	13 49 . .	. .		. .
13	α Bootis.	11	11 2.60	- 0.55	+ 0.76	19 8 8.75	46.289	+ 18.8	71.7	14 11 . .	. .		. .
	August 19, B.												
14	α² Geminorum	8	28 7.24	- 0.57	+ 1.44	6 44 8.08	46.940	+ 6.6	71.0	7 28 . .	. .		. .
15	α Canis Minoris . . .	9	33 59.10	- 0.57	+ 1.32	33 22 10.32	43.716	+ 36.7	70.1	7 33 . .	. .		. .
16	β Geminorum	11	39 6.11	- 0.56	+ 1.38	10 34 9.52	47.931	+ 10.4	70.8	7 39 . .	. .		. .
	August 20, B.												
17	Sun I, N.	9	58 16.27	- 0.57	+ 1.40	26 16 8.62	49.540	+ 27.4	70.5	9 58 17.10	+ 65.04	+ 12 33 30.6	. .
18	Sun II, S.	11	0 26.36	- 0.57	+ 1.40	26 48 7.42	48.600	+ 28.0	70.5	10 0 27.19	- 65.05	+ 12 1 47.3	. .
19	Venus I, C.	11	41 44.57	- 0.60	+ 1.42	43 50 7.28	48.488	+ 52.9	70.5	12 41 45.39	+ 0.62	- 5 0 34.2	. .
20	α Virginis	11	19 50.61	- 0.61	+ 1.44	49 28 2.38	46.329	+ 4.3	70.1	13 19 . .	. .		. .
21	α Ursæ Minoris s. p.	8	22 26.14	+ 7.91	[+ 0.63]	307 38 3.92	46.725	- 1 11.0	[70.0]	1 22 . .	. .		. .
22	η Bootis.	11	49 51.08	- 0.56	+ 1.41	19 56 4.40	47.238	+ 20.0	70.7	13 49 . .	. .		. .
23	α Bootis.	11	11 1.91	- 0.56	+ 1.43	19 8 6.30	46.320	+ 19.2	70.2	14 11 . .	. .		. .
	August 21, Br.												
24	β Leonis	11	43 52.52	- 0.44	+ 1.31	23 42 9.60	46.886	+ 24.0	69.3	11 43 . .	. .		. .
25	Venus I, N.	11	45 43.09	- 0.47	+ 1.31	44 20 10.02	48.625	+ 53.3	69.6	12 45 43.93	+ 0.63	- 5 30 40.9	. .
26	Venus S.	. .	. .	. .	. .	44 20 10.02	49.520	+ 53.3	69.6		. .	- 5 30 58.1	. .
27	α Canum Venat. . . .	8	51 16.32	- 0.43	+ 1.34	359 58 9.02	49.102	+ 0.1	69.4	12 51 . .	. .		. .
28	Moon I.	11	7 30.54	- 0.51	+ 1.32	52 26 . .	. .	. .	. .	13 7 31.35	- 66.29		. .
29	α Virginis.	11	19 50.65	- 0.49	+ 1.27	49 28 9.08	45.988	+ 3.7	69.8	13 19 . .	. .		. .
30	α Ursæ Minoris s. p.	5	22 26.04	+ 4.95	[+ 3.29]	307 38 10.40	46.402	+ 10.2	[69.6]	1 22 . .	. .		. .
31	α Bootis.	11	11 1.84	- 0.43	+ 1.36	19 8 9.10	46.171	+ 19.0	69.9	14 11 . .	. .		. .
32	ρ Bootis.	11	27 27.30	- 0.43	+ 1.34	8 2 8.78	45.440	+ 7.7	69.6	14 27 . .	. .		. .
	August 21, K.												
33	α² Geminorum	11	28 7.09	- 0.54	+ 1.61	6 44 7.15	46.942	+ 6.5	69.8	7 28 . .	. .		. .
34	α Canis Minoris . . .	11	33 58.85	- 0.52	+ 1.56	33 22 10.05	43.632	+ 36.2	69.3	7 33 . .	. .		. .
35	β Geminorum	11	39 5.91	- 0.52	+ 1.59	10 34 8.05	48.022	+ 10.3	69.5	7 39 . .	. .		. .
	August 22, K.												
36	Mercury I, C. . . .	11	22 4.24	- 0.53	+ 1.65	39 6 11.28	45.498	+ 44.0	70.2	11 22 5.36	+ 0.31	0 15 32.3	. .
37	Venus I, C.	11	49 41.03	- 0.53	+ 1.67	44 50 5.75	49.712	+ 53.8	70.2	12 49 42.17	+ 0.64	6 0 57.3	. .
38	α Virginis.	11	19 50.29	- 0.54	+ 1.67	49 28 6.60	46.152	+ 3.2	70.0	13 19 . .	. .		. .
39	α Ursæ Minoris s. p.	6	22 25.97	+ 8.84	[+ 0.37]	307 38 6.70	46.605	- 1 9.7	[69.9]	1 22 . .	. .		. .
40	ξ Virginis.	11	29 30.85	- 0.53	+ 1.69	38 54 6.12	49.340	+ 43.6	72.0	13 29 . .	. .		. .
41	η Bootis.	6	49 50.74	- 0.52	+ 1.68	19 56 4.45	47.180	+ 19.6	70.9	13 49 . .	. .		. .
42	Moon I, N.	11	1 0.25	- 0.57	+ 1.69	57 2 7.90	46.909	+ 23.2	70.2	14 1 1.37	+ 68.67	- 18 12 35.2	. .
Telescope micrometer bisections are made at I, II, I', VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
17 13 22	29.836	88.5	87.0	2, 39.	Bisections at D ₃ , D ₂ , D ₁ .				6	+ 3.8	+ 15 50.8	. .	+ 15 54.6
7 10	29.856	79.0	77.6	3, 4, 8.	Bisections at I, II, VII.				7	+ 3.8	- 15 50.8	. .	- 15 47.0
18 7 42	29.854	79.5	77.9	6, 17, 35.	Bisections at I, II.				8	+ 7.3		- 1.2	+ 6.1
9 53	29.856	84.8	83.5	7, 14, 18, 33, 34, 40.	Bisections at VI, VII.				10	+ 6.4	- 8.5	. .	+ 2.1
11 21	29.842	86.8	85.1	10, 25.	Bisections at I, VII.				11	+ 6.4	+ 8.5	- 0.6	+ 14.3
12 4	29.822	87.5	86.4	11, 26.	Bisections at II, VI.				17	+ 3.9	- 15 51.6	. .	- 15 47.7
12 57	29.794	86.0	84.9	21.	Bisections at C ₃ , C ₂ , C ₁ , B ₂ .				18	+ 3.9	+ 15 51.7	. .	+ 15 55.6
13 13	29.796	86.5	85.7	30.	Bisections at C ₂ , C ₁ , B ₃ , B ₂ , B ₁ .				19	+ 6.6		- 1.2	+ 5.4
14 57	29.794	86.5	85.7	41.	Bisection at VII.				25	+ 6.8	- 8.9	. .	- 2.1
19 7 22	29.970	75.8	74.7	42.	Bisections at II, III, IV, V, VI.				26	+ 6.8	+ 8.9	- 0.6	+ 15.1
20 10 0	29.952	76.4	75.2						36	+ 7.9		- 1.4	+ 6.5
12 14	29.938	81.8	77.9						37	+ 6.9		- 1.2	+ 5.7
13 27	29.926	80.2	78.2						42	+ 48 17.4	- 15 45.1	. .	+ 32 32.3
14 15	29.914	80.2	77.9										
21 11 36	29.850	83.0	80.8										
12 46	29.818	83.5	81.4										
13 30	29.812	82.5	81.6										
14 30	29.804	82.0	81.7										
7 29	29.790	77.8	76.7										
7 41	29.790	78.2	77.2										
22 11 24	29.780	85.4	83.8										
12 51	29.772	86.2	84.7										
13 28	29.754	85.6	84.7										
14 8	29.750	85.5	84.8										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.				CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.	Clock.									
	August 22, La.		m s	s	s	° ' "	rev.	' "	' "	' "	h m s	s	° ' "	' "
1	δ Geminorum . . .	4	14 3.11	- 0.64	+ 1.99	16 40 . .					7 14 . .			
2	α² Geminorum . . .	10	28 6.92	- 0.66	+ 1.93	6 44 8.52	46.975	+ 6.5	70.3	7 28 . .				
3	α Canis Minoris . .	11	33 58.65	- 0.63	+ 1.89	33 22 9.45	43.831	+ 35.9	70.8	7 33 . .				
4	β Geminorum . . .	11	39 5.72	- 0.66	+ 1.95	10 34 8.28	48.011	+ 10.2	70.7	7 39 . .				
	August 23, La.													
5	Sun I, N.	11	9 20.54	- 0.63	+ 1.96	27.18 6.65	45.072	+ 27.9	70.7	10 9 21.87	+ 64.77	+ 11 32 57.9		
6	Sun II, S.	11	11 30.07	- 0.63	+ 1.96	27 50 12.60	43.548	+ 28.5	70.7	10 11 31.40	- 64.76	+ 11 1 18.7		
7	β Leonis	11	43 52.02	- 0.64	+ 2.00	23 42 9.48	46.942	+ 23.6	71.1	11 43 . .				
8	Venus I, S.	11	53 38.81	- 0.61	+ 1.98	45 20 9.10	50.062	+ 54.2	70.7	12 53 40.15	+ 0.64	- 6 31 7.3		
9	Venus N.					45 20 9.10	49.145	+ 54.2	70.7				- 6 30 49.7	
10	α Ursæ Minoris S. P.	11	22 23.35	+ 11.44	[+ 1.32]	307 38 7.15	46.460	- 9.1	[69.9]	1 22 . .				
11	η Bootis	11	49 50.52	- 0.61	+ 2.01	19 56 9.25	47.061	+ 19.5	71.5	13 49 . .				
12	α Bootis	11	11 1.37	- 0.64	+ 2.01	19 8 9.98	46.171	+ 18.6	70.3	14 11 . .				
13	ε Bootis	11	40 32.81	- 0.54	+ 1.90	11 20 8.55	48.145	+ 10.8	70.5	14 40 . .				
	August 23, B.													
14	δ Geminorum . . .	8	14 2.74	- 0.60	+ 2.34	16 40 9.12	48.035	+ 16.4	72.2	7 14 . .				
15	α² Geminorum . . .	10	28 6.50	- 0.63	+ 2.35	6 44 7.65	47.040	+ 6.5	72.0	7 28 . .				
16	α Canis Minoris . .	11	33 58.34	- 0.59	+ 2.18	33 22 7.18	44.058	+ 35.9	72.8	7 33 . .				
17	β Geminorum . . .	11	39 5.36	- 0.62	+ 2.29	10 34 4.90	48.238	+ 10.2	71.6	7 39 . .				
	August 24, B.													
18	Sun I, S.	9	13 0.89	- 0.59	+ 2.31	28 10 8.00	45.738	+ 28.9	72.4	10 13 2.61	+ 64.77	+ 10 40 44.5		
19	Sun II, N.	11	15 10.42	- 0.59	+ 2.31	27 38 8.12	46.668	+ 28.3	72.4	10 15 12.14	- 64.76	+ 11 12 25.3		
20	Mercury I, C. . . .	11	21 14.13	- 0.59	+ 2.31	39 16 4.78	45.755	+ 43.9	72.4	11 21 15.85	+ 0.32	- 0 25 28.4		
21	β Leonis	11	43 51.66	- 0.59	+ 2.31	23 42 8.45	47.166	+ 23.6	72.9	11 43 . .				
22	α Canum Venat. . .	11	51 15.50	- 0.65	+ 2.35	359 58 6.52	49.360	+ 0.1	71.3	12 51 . .				
23	Venus I, C.	11	57 36.11	- 0.60	+ 2.32	45 50 8.62	49.310	+ 55.1	72.4	12 57 37.83	+ 0.65	- 7 0 51.6		
24	α Virginis	11	19 49.72	- 0.60	+ 2.29	49 28 6.30	46.292	+ 2.5	73.3	13 19 . .				
25	α Ursæ Minoris S. P.	6	22 20.22	+ 12.30	[+ 4.52]	307 38 . .				1 22 . .				
26	η Bootis	9	49 50.15	- 0.60	+ 2.33	19 56 6.78	47.262	+ 19.5	72.8	13 49 . .				
27	α Serpentis	11	39 15.75	- 0.59	+ 2.29	32 6 5.85	45.679	+ 33.6	73.3	15 39 . .				
28	ε Serpentis	11	45 45.04	- 0.59	+ 2.31	34 4 8.98	44.476	+ 36.3	73.8	15 45 . .				
29	δ Scorpii	11	54 19.87	- 0.62	+ 2.26	61 10 6.85	44.906	+ 37.2	73.5	15 54 . .				
30	Moon I, N.	11	59 41.96	- 0.65	+ 2.29	63 42 2.90	48.853	+ 48.2	73.5	15 59 43.60	+ 73.60	- 24 53 29.1		
31	δ Ophiuchi	11	9 1.45	- 0.59	+ 2.30	42 16 4.15	47.206	+ 48.8	73.3	16 9 . .				
32	α Scorpii	11	23 11.25	- 0.64	+ 2.29	65 2 5.58	45.440	+ 55.0	73.8	16 23 . .				
33	ε Piscium	11	57 41.02	- 0.65	+ 2.55	31 30 5.62	45.111	+ 33.6	72.1	0 57 . .				
34	α Ursæ Minoris . .	10	22 51.09	+ 11.74	[+ 1.85]	310 6 4.75	47.115	- 4.8	[72.4]	1 22 . .				
35	ο Piscium	11	40 2.45	- 0.65	+ 2.47	30 12 2.30	44.816	+ 32.0	72.3	1 40 . .				
36	β Arietis	11	49 2.41	- 0.66	+ 2.44	18 32 2.58	45.070	+ 18.5	73.0	1 49 . .				
	August 25, K.													
37	δ Geminorum . . .	8	14 2.16	- 0.50	+ 2.88	16 40 . .				7 14 . .				
38	α² Geminorum . . .	11	28 6.00	- 0.50	+ 2.77	6 44 6.28	47.134	+ 6.6	70.9	7 28 . .				
39	α Canis Minoris . .	11	33 57.78	- 0.51	+ 2.71	33 22 7.78	43.888	+ 36.4	70.8	7 33 . .				
40	β Geminorum . . .	11	39 4.74	- 0.50	+ 2.84	10 34 6.18	48.103	+ 10.4	70.8	7 39 . .				
	August 26, K.													
41	Sun I, S.	11	20 20.33	- 0.50	+ 2.82	28 52 1.25	44.698	+ 30.1	70.9	10 20 22.65	+ 64.65	+ 9 59 8.5		
42	Sun II, N.	11	22 29.62	- 0.50	+ 2.82	28 20 0.60	45.572	+ 29.4	70.9	10 22 31.94	- 64.64	+ 10 30 51.2		
43	Venus I, C.	10	5 30.32	- 0.54	+ 2.83	46 50 1.88	47.558	+ 58.0	70.9	13 5 32.61	+ 0.66	- 8 0 15.6		
44	α Ursæ Minoris S. P.	2	22 28.60	+ 7.61	[+ 2.59]	307 38 5.85	46.840	- 10.1	[72.0]	1 22 . .				

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
22 7 32	29.800	82.4	81.6	5, 18, 36, 41.	Bisections at I, II.	5	+ 4.0	- 15 49.5		- 15 45.5
7 45	29.806	82.2	82.1			6	+ 4.1	+ 15 49.6		+ 15 53.7
23 10 11	29.812	88.4	87.4	6, 7, 15, 19, 24, 42.	Bisections at VI, VII.	8	+ 7.0	+ 9.2	- 0.8	+ 15.4
11 48	29.782	90.0	89.3	8.	Bisections at II, VI.	9	+ 7.0	+ 9.2		- 2.2
13 6	29.762	90.4	89.3	9.	Bisections at I, VII.	18	+ 4.1	+ 15 50.3		+ 15 54.4
14 14	29.754	90.2	88.7	10, 34.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	19	+ 4.0	- 15 50.4		- 15 46.4
7 23	29.802	82.8	81.7	25.	Bisections at B ₁ , B ₂ , B ₃ .	20	+ 8.1		- 1.6	+ 6.5
7 45	29.806	83.4	82.1	30.	Bisections at II, III, IV, V, VI.	23	+ 7.1		- 1.3	+ 5.8
10 15	29.800	88.4	86.9	40.	Bisections at I, VI, VII.	30	+ 52 39.8	- 16 4.1		+ 36 35.7
11 26	29.782	88.8	88.5	44.	Bisections at D ₃ , D ₂ , D ₁ .	41	+ 4.2	+ 15 51.3		+ 15 55.5
12 44	29.744	91.2	89.3			42	+ 4.1	- 15 51.3		- 15 47.2
13 40	29.730	90.8	89.7			43	+ 7.4		- 1.3	+ 6.1
15 35	29.724	89.4	88.7							
16 27	29.722	87.4	86.7							
0 52	29.704	78.6	76.7							
1 48	29.688	76.4	74.7							
25 7 16	29.788	75.6	73.2							
7 41	29.790	76.8	74.1							
26 10 23	29.782	82.0	80.0							
13 7	29.756	83.6	81.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Bootis	10	11 0.36	- 0.50	+ 2.84	19 8 5.22	46.423	+ 18.9	71.0	14 11 . . .	. . .	. . .	. . .
2	γ^2 Sagittarii	11	59 17.83	- 0.70	+ 2.72	69 14 6.70	46.979	+ 24.3	70.4	17 59 . . .	. . .	. . .	. . .
3	δ Ursæ Minoris	5	5 2.24	- 3.33	[+ 3.85]	312 16 . . .				18 5 . . .	. . .	. . .	. . .
4	μ Sagittarii	11	7 41.88	- 0.66	+ 2.84	59 54 3.48	48.379	+ 34.8	71.8	18 7 . . .	. . .	. . .	. . .
5	Moon I, S.	6	10 16.87	- 0.70	+ 2.83	64 40 4.32	49.015	+ 56.0	71.1	18 10 19.00	+ 75.21	- 25 51 43.8	. . .
6	η Serpentis	11	16 3.38	- 0.61	+ 2.92	41 46 2.08	45.439	+ 49.2	71.2	18 16 . . .	. . .	. . .	. . .
	August 26, B.												
7	α Canis Minoris	5	33 57.37	- 0.55	+ 3.18	33 22 5.38	44.072	+ 36.9	71.0	7 34 . . .	. . .	. . .	. . .
8	β Geminorum	9	39 4.40	- 0.53	+ 3.23	10 34 . . .				7 39 . . .	. . .	. . .	. . .
	August 27, B.												
9	Sun I, N.	11	23 59.37	- 0.54	+ 3.24	28 40 7.28	48.475	+ 30.5	70.6	10 24 2.07	+ 64.62	+ 10 9 49.3	. . .
10	Sun II, S.	11	26 8.61	- 0.54	+ 3.24	29 12 9.30	47.332	+ 31.2	70.6	10 26 11.31	- 64.62	+ 9 38 6.6	. . .
11	Mercury I, C.	8	17 28.15	- 0.56	+ 3.25	39 6 9.28	47.070	+ 45.2	70.6	11 17 30.84	+ 0.34	- 0 16 2.5	. . .
12	β Leonis	11	43 50.73	- 0.54	+ 3.19	23 42 8.12	47.042	+ 24.4	70.8	11 43 . . .	. . .	. . .	. . .
13	Venus I, C.	11	9 26.94	- 0.58	+ 3.27	47 20 10.88	45.208	+ 0.2	70.6	13 9 29.63	+ 0.66	- 8 29 42.1	. . .
14	α Virginis	11	19 48.64	- 0.58	+ 3.32	49 28 3.65	46.261	+ 4.9	71.3	13 19 . . .	. . .	. . .	. . .
15	η Bootis	11	49 49.07	- 0.53	+ 3.30	19 56 4.18	47.148	+ 20.2	70.0	13 49 . . .	. . .	. . .	. . .
16	α Bootis	11	10 59.92	- 0.53	+ 3.29	19 8 9.90	46.126	+ 19.4	70.0	14 11 . . .	. . .	. . .	. . .
17	σ Sagittarii	11	48 58.60	- 0.71	+ 3.18	65 14 11.28	47.176	+ 2.1	70.1	18 49 . . .	. . .	. . .	. . .
18	51 H. Cephei s. p.	7	52 53.05	+ 2.54	[+ 2.81]	306 6 5.50	41.652	+ 17.1	[67.9]	6 52 . . .	. . .	. . .	. . .
19	d Sagittarii	11	11 42.02	- 0.68	+ 3.20	57 58 10.48	44.375	+ 30.3	68.7	19 11 . . .	. . .	. . .	. . .
20	Moon I, S.	11	15 32.95	- 0.72	+ 3.26	62 10 6.92	47.007	+ 46.9	69.2	19 15 35.49	+ 74.08	- 23 21 0.7	. . .
21	δ Aquilæ	11	20 22.60	- 0.60	+ 3.30	35 55 56.62	44.983	+ 41.0	69.0	19 20 . . .	. . .	. . .	. . .
22	κ Aquilæ	11	31 25.77	- 0.63	+ 3.37	46 6 10.82	43.216	+ 58.8	69.0	19 31 . . .	. . .	. . .	. . .
	August 28, Ia.												
23	Moon S.					58 4 14.45	45.295	+ 30.2	67.7	20 19 . . .	. . .	- 19 14 20.2	. . .
24	ϵ Delphini					27 54 10.12	42.328	+ 29.8	67.3	20 28 . . .	. . .	. . .	. . .
25	μ Aquarii	7	47 10.85	- 0.60	+ 3.39	48 12 9.40	44.828	+ 3.0	67.7	20 47 . . .	. . .	. . .	. . .
26	61 ¹ Cygni	11	2 20.46	- 0.52	+ 3.52	0 36 11.18	45.125	+ 0.7	68.4	21 2 . . .	. . .	. . .	. . .
27	1 Pegasi	11	17 23.22	- 0.54	+ 3.52	19 28 11.10	46.631	+ 20.0	67.3	21 17 . . .	. . .	. . .	. . .
	August 29, Br.												
28	δ Geminorum	11	14 1.63	- 0.48	+ 3.49	16 40 10.32	47.835	+ 16.7	69.1	7 14 . . .	. . .	. . .	. . .
29	α^2 Geminorum	11	28 5.39	- 0.48	+ 3.47	6 44 9.00	46.910	+ 6.6	69.0	7 28 . . .	. . .	. . .	. . .
30	α Canis Minoris	11	33 57.23	- 0.49	+ 3.33	33 22 10.22	43.678	+ 36.5	69.6	7 34 . . .	. . .	. . .	. . .
31	β Geminorum	11	39 4.16	- 0.48	+ 3.50	10 34 9.32	47.881	+ 10.4	68.8	7 39 . . .	. . .	. . .	. . .
32	α Hydræ	10	22 33.21	- 0.51	+ 3.54	47 4 9.70	43.372	+ 58.9	70.3	9 22 . . .	. . .	. . .	. . .
	August 30, Br.												
33	Sun I, S.	11	34 55.03	- 0.48	+ 3.49	30 16 11.98	47.318	+ 31.8	70.2	10 34 58.04	+ 64.44	+ 8 34 5.1	. . .
34	Sun II, N.	11	37 3.90	- 0.48	+ 3.49	29 44 8.52	48.202	+ 31.2	70.2	10 37 6.91	- 64.43	+ 9 5 50.4	. . .
35	β Leonis	9	43 50.37	- 0.48	+ 3.52	23 42 9.15	47.024	+ 23.9	70.8	11 43 . . .	. . .	. . .	. . .
36	α Canum Venat.	11	51 14.11	- 0.50	+ 3.53	359 58 7.60	49.268	+ 0.1	69.7	12 51 . . .	. . .	. . .	. . .
37	Venus I, S.	11	21 16.53	- 0.51	+ 3.52	48 46 8.65	50.212	+ 1.6	71.1	13 21 19.54	+ 0.69	- 9 57 16.7	. . .
38	Venus N.					48 46 8.65	49.190	+ 1.6	71.1	. . .	. . .	- 9 56 57.1	. . .
39	α Ursæ Minoris s. p.	7	22 29.00	+ 6.92	[+ 5.69]	307 38 7.20	46.727	+ 9.5	[70.5]	1 22 . . .	. . .	. . .	. . .
40	η Bootis	11	49 48.76	- 0.48	+ 3.52	19 56 8.28	47.136	+ 19.6	71.7	13 49 . . .	. . .	. . .	. . .
41	α Bootis	11	10 59.62	- 0.48	+ 3.50	19 8 9.18	46.314	+ 18.8	72.1	14 11 . . .	. . .	. . .	. . .
42	ϵ Aquilæ	11	0 43.99	- 0.54	+ 3.47	25 8 10.72	45.069	+ 25.9	71.6	19 0 . . .	. . .	. . .	. . .
43	d Sagittarii	11	11 41.71	- 0.61	+ 3.41	57 58 10.18	44.569	+ 27.8	69.6	19 11 . . .	. . .	. . .	. . .
44	λ Ursæ Minoris	5	24 31.98	- 9.06	[+ 0.45]	309 54 9.05	42.387	+ 5.6	[71.0]	19 24 . . .	. . .	. . .	. . .
45	γ Aquilæ	11	41 25.49	- 0.54	+ 3.52	28 28 11.15	47.280	+ 29.9	71.0	19 41 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
26 14 13	29.750	83.2	81.7	1, 21.	Bisections at II, VI, VII.	5	+ 53 59.1	+ 16 20.1	.	+ 70 19.2
18 0	29.746	78.2	74.8	5, 20, 23.	Bisections at II, III, IV, V, VI.	9	+ 4.2	- 15 51.3	.	- 15 47.1
18 19	29.750	77.8	74.4	7, 9, 24, 33.	Bisections at I, II.	10	+ 4.3	+ 15 51.3	.	+ 15 55.6
7 30	29.890	71.8	68.3		Bisections at VI, VII.	11	+ 8.4	.	- 1.9	+ 6.5
9 7	29.908	73.8	71.7	10, 11, 15, 25, 34.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	13	+ 7.4	.	- 1.3	+ 6.1
10 26	29.900	73.2	72.9		Bisections at I, II, VI.	20	+ 53 4.2	+ 16 24.9	.	+ 69 29.1
11 19	29.904	75.0	73.4	28.	Bisections at I, VII.	23	+ 51 0.1	+ 16 26.5	.	+ 67 26.6
12 20	29.898	75.0	73.1	37.	Bisections at II, VI.	33	+ 4.4	+ 15 52.6	.	+ 15 57.0
13 25	29.894	76.0	74.4	38.	Bisections at D ₁ , D ₂ , D ₃ .	34	+ 4.3	- 15 52.6	.	- 15 48.3
14 16	29.894	75.0	73.1	39.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	37	+ 7.8	+ 10.2	- 0.8	+ 17.2
18 40	29.950	68.0	64.9	44.		38	+ 7.8	- 10.2	.	- 2.4
19 36	29.952	66.2	63.9							
20 4	30.010	70.2	67.7							
21 12	30.004	69.0	67.3							
29 7 16	29.918	75.0	73.9							
7 46	29.920	76.5	75.0							
9 17	29.920	81.5	79.7							
30 10 37	29.914	84.2	83.7							
11 38	29.902	86.5	85.2							
13 6	29.880	80.0	87.7							
14 14	29.870	85.7	87.8							
18 54	29.898	79.8	77.9							
19 44	29.902	78.2	76.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	' "	h m s	s	° ' "	' "
1	♈ Aquarii	11	32 20.85	- 0.58	+ 3.59	47 8 10.75	47.253	+	59.6	71.1 21 32 . . .	. . .		. . .
2	♊ Pegasi	11	39 11.73	- 0.54	+ 3.59	29 26 10.90	45.121	+	31.3	71.5 21 39 . . .	. . .		. . .
3	♐ Capricorni	11	47 45.82	- 0.59	+ 3.54	52 52 9.48	44.161	+	13.1	70.9 21 47 . . .	. . .		. . .
4	♈ Aquarii	11	0 34.01	- 0.56	+ 3.66	39 40 11.60	42.260	+	45.9	70.9 22 0 . . .	. . .		. . .
5	Moon I, N.	11	14 5.10	- 0.58	+ 3.62	46 8 3.70	45.163	+	57.6	70.9 22 14 8.14	+68.18	- 7 17 31.2	. . .
August 30, La.													
6	♊ Geminorum	9	14 1.38	- 0.62	+ 3.91	16 40 9.62	47.855	+	16.6	70.6 7 14 . . .	. . .		. . .
7	♊ Geminorum	11	28 5.20	- 0.64	+ 3.85	6 44 8.95	47.019	+	6.5	70.9 7 28 . . .	. . .		. . .
8	♐ Canis Minoris	11	33 56.89	- 0.62	+ 3.82	33 22 9.15	43.839	+	36.2	71.1 7 34 . . .	. . .		. . .
9	♊ Geminorum	11	39 3.95	- 0.63	+ 3.89	10 34 7.20	48.052	+	10.3	69.9 7 39 . . .	. . .		. . .
August 31, La.													
10	Sun I, N.	11	38 32.83	- 0.62	+ 3.89	30 6 11.12	47.075	+	31.4	71.2 10 38 36.10	+64.40	+ 8 44 12.1	. . .
11	Sun II, S.	11	40 41.63	- 0.62	+ 3.89	30 38 10.20	46.298	+	32.1	71.2 10 40 44.90	-64.40	+ 8 12 25.3	. . .
12	♐ Leonis	9	43 50.15	- 0.62	+ 3.85	23 42 9.80	47.083	+	23.8	71.8 11 43 . . .	. . .		. . .
13	♐ Canum Venat.	11	51 13.78	- 0.66	+ 4.01	359 58 7.15	49.371	+	0.1	71.0 12 51 . . .	. . .		. . .
14	♈ Ursæ Minoris S. P.	6	22 27.32	+ 10.30	[+ 4.61]	307 38 . . .	. . .	. . .	. . .	. . . 1 22 . . .	. . .		. . .
15	♊ Bootis	11	49 48.59	- 0.62	+ 3.82	19 56 8.38	47.169	+	19.6	72.3 13 49 . . .	. . .		. . .
16	♊ Bootis	11	10 59.29	- 0.62	+ 3.96	19 8 9.60	46.282	+	18.7	71.7 14 11 . . .	. . .		. . .
17	♈ Aquarii	11	47 18.72	- 0.62	+ 3.99	46 58 8.90	42.884	+	59.3	70.8 22 47 . . .	. . .		. . .
18	♊ Pegasi	11	59 41.65	- 0.59	+ 3.98	24 12 9.25	42.412	+	24.9	71.0 22 59 . . .	. . .		. . .
19	Moon II, N.	7	10 13.74	- 0.61	+ 4.00	39 46 9.68	46.377	+	46.1	71.1 23 10 17.13	-66.93	- 0 55 48.8	. . .
20	♊ Piscium	11	22 48.52	- 0.59	+ 4.00	33 2 8.70	42.618	+	36.0	70.9 23 22 . . .	. . .		. . .
21	♊ Piscium	11	34 43.13	- 0.59	+ 4.00	33 46 9.62	44.814	+	37.1	71.9 23 34 . . .	. . .		. . .
22	♊ Piscium	11	57 39.61	- 0.59	+ 4.05	31 30 11.38	44.676	+	34.1	71.0 0 57 . . .	. . .		. . .
23	♈ Ursæ Minoris	8	22 47.34	- 9.30	[+ 4.50]	310 6 8.58	46.809	-	5.6	[71.8] 1 22 . . .	. . .		. . .
August 31, Br.													
24	♊ Geminorum	10	14 1.23	- 0.37	+ 3.83	16 40 9.48	47.971	+	16.5	71.2 7 14 . . .	. . .		. . .
25	♊ Geminorum	11	28 5.08	- 0.39	+ 3.75	6 44 8.78	47.049	+	6.5	71.2 7 28 . . .	. . .		. . .
26	♐ Canis Minoris	11	33 56.76	- 0.36	+ 3.72	33 22 9.78	43.782	+	36.2	70.7 7 34 . . .	. . .		. . .
27	♊ Geminorum	11	39 3.85	- 0.38	+ 3.76	10 34 8.45	48.065	+	10.3	71.3 7 39 . . .	. . .		. . .
September 1, Br.													
28	Sun I, N.	11	42 10.20	- 0.36	+ 3.81	30 28 11.40	46.278	+	39.1	71.6 10 42 13.65	+64.38	+ 8 22 27.0	. . .
29	Sun II, S.	11	44 18.95	- 0.36	+ 3.82	31 0 11.25	45.570	+	32.6	71.6 10 44 22.41	-64.38	+ 7 50 38.1	. . .
30	♐ Canum Venat.	11	51 13.75	- 0.40	+ 3.77	359 58 7.40	49.412	+	0.1	71.8 12 51 . . .	. . .		. . .
31	♈ Virginis	11	19 47.90	- 0.37	+ 3.81	49 28 8.58	46.111	+	1 2.9	71.6 13 19 . . .	. . .		. . .
32	♈ Ursæ Minoris S. P.	5	22 29.58	+ 8.17	[+ 5.11]	307 38 7.15	46.832	+	9.3	[71.6] 1 22 . . .	. . .		. . .
33	Venus I, N.	11	29 8.43	- 0.37	+ 3.86	49 44 8.32	47.060	+	1 3.5	71.6 13 29 11.92	+ 0.70	- 10 54 17.3	. . .
34	Venus S.	. . .	. . .	. . .	. . .	49 44 8.32	48.100	+	1 3.5	71.6	. . .	- 10 54 37.3	. . .
35	♊ Bootis	11	49 48.25	- 0.37	+ 3.90	19 56 8.52	47.164	+	19.6	72.3 13 49 . . .	. . .		. . .
36	♊ Bootis	11	10 59.05	- 0.37	+ 3.94	19 8 8.95	46.332	+	18.7	71.9 14 11 . . .	. . .		. . .
37	♊ Bootis	11	40 30.51	- 0.38	+ 3.89	11 20 8.45	48.280	+	10.8	72.4 14 40 . . .	. . .		. . .
38	♊ Piscium	11	22 48.33	- 0.50	+ 4.11	33 2 10.32	42.616	+	36.0	72.6 23 22 . . .	. . .		. . .
39	♊ Piscium	11	34 42.91	- 0.50	+ 4.14	33 46 11.18	44.720	+	37.1	71.8 23 34 . . .	. . .		. . .
40	♊ Piscium	11	54 5.08	- 0.50	+ 4.10	32 32 10.38	46.351	+	35.4	71.6 23 54 . . .	. . .		. . .
41	Moon II, N.	11	2 41.36	- 0.51	+ 4.12	33 32 10.08	44.575	+	36.8	71.6 0 2 44.97	-66.35	+ 5 18 55.2	. . .
42	♊ Pegasi	11	7 59.58	- 0.50	+ 4.16	24 14 4.25	43.898	+	25.0	71.2 0 8 . . .	. . .		. . .
43	♊ Ceti	11	24 50.61	- 0.51	+ 4.16	43 22 4.65	43.092	+	52.4	71.8 0 24 . . .	. . .		. . .
44	♈ Ursæ Minoris	4	22 51.85	- 10.02	[+ 1.35]	310 6 3.60	47.047	-	5.7	[71.7] 1 22 . . .	. . .		. . .
45	♊ Piscium	11	40 0.85	- 0.50	+ 4.10	30 12 5.70	44.482	+	32.4	70.7 1 40 . . .	. . .		. . .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	' "	' "
30	21 26	29.902	76.5	75.0	1.	Bisections at I, VI, VII.	5	+42 54.9	-16 18.0	. . .	+26 36.9
	22 20	29.902	75.8	74.1	5, 41.	Bisections at III, IV, V.	10	+	4.4	-15 53.3	-15 48.9
	7 17	29.974	80.0	79.2	6, 11, 29.	Bisections at VI, VII.	11	+	4.5	+15 53.4	+15 57.9
31	7 43	29.984	81.9	80.9	10, 28.	Bisections at I, II.	19	+37 41.0	-16 8.3	. . .	+21 32.7
	10 41	29.996	88.8	87.7	12.	Bisections at I, II, VI.	28	+	4.4	-15 54.4	-15 50.0
	11 47	29.990	91.0	89.3	19.	Bisections at II, III, IV, V, VI.	29	+	4.5	+15 54.4	+15 58.9
	12 57	29.974	91.6	90.3	23, 44.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	33	+	8.1	-10.4	- 2.3
	14 4	29.960	92.0	90.9	32.	Bisections at D ₃ , D ₂ .	34	+	8.1	+ 10.4	+ 17.7
	22 50	29.978	77.2	76.0	33.	Bisections at I, VII.	41	+32 6.1	-15 56.0	. . .	+16 10.1
	23 38	29.972	76.6	75.2	34.	Bisections at II, VI.					
	1 28	29.970	75.8	74.0							
	7 5	30.030	81.0	80.1							
	7 42	30.038	83.5	81.9							
1	10 44	30.028	90.2	88.9							
	12 44	30.000	92.5	91.1							
	13 42	29.984	92.7	91.4							
	14 43	29.972	92.5	91.2							
	23 17	29.948	77.5	75.3							
	23 39	29.944	76.8	74.7							
	0 29	29.932	75.9	73.8							
	1 42	29.920	74.5	72.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRAC- TION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			s	s	Instru- ment.	Clock.								
September 1, K.														
1	δ Geminorum . . .	11	14	0.90	- 0.63	+ 4.45	16 40 8.52	47.918	+ 16.5	70.6	h m s	s	° / //	//
2	α^2 Geminorum . . .	11	28	4.62	- 0.65	+ 4.50	6 44 3.78	47.328	+ 6.5	71.4	7 28 . . .	. . .	. . .	. . .
3	α Canis Minoris . .	11	33	56.39	- 0.63	+ 4.38	33 22 6.82	43.948	+ 36.1	70.8	7 34 . . .	. . .	. . .	. . .
4	β Geminorum . . .	11	39	3.44	- 0.64	+ 4.47	10 34 5.18	48.244	+ 10.3	71.4	7 39 . . .	. . .	. . .	. . .
September 2, K.														
5	Sun I	11	45	47.24	- 0.63	+ 4.51	31 6 . . .	. . .	. . .	. . .	10 45 51.12	+64.32	. . .	. . .
6	Sun II	10	47	55.88	- 0.63	+ 4.51	31 6 . . .	. . .	. . .	. . .	10 47 59.76	-64.32	. . .	. . .
7	α Canum Venat. . .	11	51	13.24	- 0.67	+ 4.54	359 58 4.55	49.505	+ 0.1	70.7	12 51 . . .	. . .	. . .	. . .
8	α Virginis	1	19	47.40	- 0.65	+ 4.58	49 28 . . .	. . .	. . .	. . .	13 19 . . .	. . .	. . .	. . .
9	α Ursæ Minoris s. P.	5	22	27.28	+10.30	[+ 5.94]	307 38 3.98	46.963	- 1 9.0	[71.5]	1 22 . . .	. . .	. . .	. . .
10	ζ Virginis	11	29	27.98	- 0.64	+ 4.55	38 54 5.80	49.461	+ 43.3	72.5	13 29 . . .	. . .	. . .	. . .
11	Venus I, N.	11	33	4.01	- 0.66	+ 4.56	50 12 5.40	48.271	+ 1 4.3	71.3	13 33 7.91	+ 0.71	- 11 22 38.7	. . .
12	γ Bootis	11	49	47.82	- 0.63	+ 4.58	19 56 5.85	47.265	+ 19.5	72.0	13 49 . . .	. . .	. . .	. . .
13	δ Bootis	11	24	50.28	- 0.51	+ 4.50	43 22 3.68	43.224	+ 52.0	73.0	0 24 . . .	. . .	. . .	. . .
14	Moon II, N.	11	54	41.13	- 0.51	+ 4.51	27 44 3.80	48.471	+ 29.0	72.2	0 54 45.13	-66.38	+ 11 5 55.1	. . .
15	ϵ Piscium	11	57	39.12	- 0.50	+ 4.49	31 30 4.02	45.056	+ 33.8	70.8	0 57 . . .	. . .	. . .	. . .
16	α Ursæ Minoris . . .	5	22	45.84	-10.31	[+ 8.32]	310 6 3.48	47.039	- 1 5.1	[73.3]	1 22 . . .	. . .	. . .	. . .
17	η Piscium	11	26	1.59	- 0.50	+ 4.53	24 2 7.35	43.276	+ 24.6	72.9	1 26 . . .	. . .	. . .	. . .
September 2, B.														
18	δ Geminorum	11	14	0.49	- 0.59	+ 4.85	16 40 9.25	48.049	+ 16.4	72.2	7 14 . . .	. . .	. . .	. . .
19	α^2 Geminorum	11	28	4.34	- 0.61	+ 4.77	6 44 8.75	47.134	+ 6.5	72.6	7 28 . . .	. . .	. . .	. . .
20	α Canis Minoris . . .	11	34	56.02	- 0.57	+ 4.72	33 22 9.98	43.909	+ 35.8	72.9	7 34 . . .	. . .	. . .	. . .
21	β Geminorum	11	39	3.04	- 0.60	+ 4.85	10 34 5.30	48.168	+ 10.2	71.2	7 39 . . .	. . .	. . .	. . .
22	ϵ Hydræ	11	41	20.47	- 0.58	+ 4.77	32 2 10.75	49.205	+ 33.9	73.5	8 41 . . .	. . .	. . .	. . .
September 3, B.														
23	Sun I, N.	11	49	23.86	- 0.57	+ 4.81	31 11 49.22	47.252	+ 32.4	73.0	10 49 28.10	+64.38	+ 7 38 31.4	. . .
24	Sun II, S.	11	51	32.62	- 0.57	+ 4.81	31 44 10.40	45.572	+ 33.1	73.0	10 51 36.86	-64.38	+ 7 6 39.9	. . .
25	α Canum Venat. . . .	11	51	12.95	- 0.64	+ 4.79	359 58 5.62	49.586	+ 0.1	73.1	12 51 . . .	. . .	. . .	. . .
26	α Ursæ Minoris s. P.	6	22	25.78	+11.71	[+ 6.72]	307 38 5.98	46.910	- 1 8.6	[72.6]	1 22 . . .	. . .	. . .	. . .
27	Venus I, C.	11	36	59.42	- 0.59	+ 4.84	50 40 7.10	49.136	+ 1 4.9	73.0	13 37 3.67	+ 0.72	- 11 50 55.7	. . .
28	γ Bootis	11	49	47.52	- 0.58	+ 4.82	19 56 7.65	47.325	+ 19.4	74.2	13 49 . . .	. . .	. . .	. . .
29	α Bootis	3	10	58.29	- 0.58	+ 4.88	19 8 8.12	46.532	+ 18.5	73.2	14 11 . . .	. . .	. . .	. . .
30	ρ Bootis	17	27	23.74	- 0.61	+ 4.86	8 2 8.00	45.751	+ 7.6	73.7	14 27 . . .	. . .	. . .	. . .
31	α Ursæ Minoris . . .	6	22	44.97	- 9.78	[+ 9.38]	310 6 8.25	46.762	- 1 5.1	[72.0]	1 22 . . .	. . .	. . .	. . .
32	η Piscium	11	26	1.15	- 0.56	+ 5.05	24 2 12.80	42.925	+ 24.6	71.7	1 26 . . .	. . .	. . .	. . .
33	σ Piscium	11	39	59.97	- 0.57	+ 5.10	30 12 9.95	44.295	+ 32.1	70.8	1 40 . . .	. . .	. . .	. . .
34	Moon II, N.	11	46	59.25	- 0.57	+ 5.10	22 42 5.08	47.290	+ 23.1	70.8	1 47 3.78	-66.83	+ 16 8 24.0	. . .
35	α^1 Arietis	11	1	25.01	- 0.56	+ 5.10	15 52 7.68	45.010	+ 15.7	70.5	2 1 . . .	. . .	. . .	. . .
36	ξ^1 Ceti	11	7	35.00	- 0.57	+ 5.14	30 28 5.88	46.275	+ 32.5	70.4	2 7 . . .	. . .	. . .	. . .
September 4, Br.														
37	α Arietis	. . .	. . .	. . .	. . .	. . .	15 52 5.00	45.155	+ 15.8	70.8	2 1 . . .	. . .	. . .	. . .
38	Moon N.	. . .	. . .	. . .	. . .	. . .	18 38 4.78	45.109	+ 18.7	70.8	2 39 . . .	. . .	+ 20 13 7.5	. . .
39	α Ceti	. . .	. . .	. . .	. . .	. . .	35 10 5.98	42.011	+ 39.0	71.2	2 57 . . .	. . .	. . .	. . .
40	ζ Arietis	. . .	. . .	. . .	. . .	. . .	18 10 5.05	47.772	+ 18.3	70.4	3 9 . . .	. . .	. . .	. . .
September 5, K.														
41	α Ceti	11	56	55.46	- 0.52	+ 5.65	35 9 57.20	42.451	+ 39.1	71.0	2 57 . . .	. . .	. . .	. . .
42	ζ Arietis	11	9	0.95	- 0.50	+ 5.82	18 10 5.30	47.702	+ 18.3	69.5	3 9 . . .	. . .	. . .	. . .
43	Moon II, N.	11	34	4.49	- 0.51	+ 5.75	15 40 3.40	48.003	+ 15.6	70.2	3 34 9.73	-68.08	+ 23 10 15.9	. . .
44	η Tauri	11	41	23.96	- 0.49	+ 5.73	15 3 57.75	44.085	+ 15.0	69.9	3 41 . . .	. . .	. . .	. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d	h m	in.	°	°					/ //	/ //	//	/ //	//	
1	7 16	29.940	81.3	79.7	1, 21, 24.	Bisections at VI, VII.			11	+ 8.2	- 10.3	. . .	- 2.1	
2	7 41	29.936	82.5	80.9	9, 26.	Bisections at D ₃ , D ₂ , D ₁ .			14	+26 38.8	-15 42.3	. . .	+10 56.5	
10	51	29.908	89.4	88.0	12.	Bisections at II, VI, VII.			23	+ 4.5	-15 55.7	. . .	-15 51.2	
12	53	29.874	90.0	91.7	14, 34, 38, 43.	Bisections at II, III, IV, V, VI.			24	+ 4.6	+15 55.7	. . .	+16 0.3	
13	47	29.850	91.7	90.9	16.	Bisections at B ₁ , B ₂ , B ₃ , C ₁ , C ₂ .			27	+ 8.3	. . .	- 1.5	+ 6.8	
0	27	29.780	77.0	75.2	23, 29.	Bisections at I, II.			34	+21 44.8	-15 28.5	. . .	+ 6 16.3	
1	23	29.760	75.8	74.4	31.	Bisections at B ₃ , C ₁ , C ₂ , C ₃ .			38	+17 43.5	-15 15.7	. . .	+ 2 27.8	
7	10	29.810	82.4	81.5	33.	Bisections at I, II, VI.			43	+14 47.8	-15 4.8	. . .	- 0 17.0	
7	44	29.812	84.2	83.5										
8	59	29.816	88.4	86.7										
10	20	29.808	91.0	88.7										
3	10 52	29.798	91.7	90.7										
12	44	29.782	94.2	93.1										
13	42	29.774	95.0	93.3										
14	35	29.760	94.0	92.7										
1	12	29.754	77.8	74.7										
2	13	29.750	76.0	74.1										
4	1 59	29.736	74.0	71.9										
2	41	29.734	73.8	71.4										
3	11	29.744	73.5	71.1										
5	2 59	29.788	74.0	71.8										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	"/	"	h m s	s	° / "	"
1	ζ Persei September 5, B.	11	47 42.00	- 0.49	+ 5.79	7 15 56.72	46.426	+ 7.1	70.4	3 47 .	.	.	.
2	α Hydrae	11	22 31.02	- 0.56	+ 5.88	47 4 5.15	43.766	+ 58.1	72.8	9 22 .	.	.	.
3	ε Leonis	10	40 0.72	- 0.56	+ 5.84	14 36 7.55	47.316	+ 14.1	71.6	9 40 .	.	.	.
4	μ Leonis	11	46 54.71	- 0.57	+ 5.89	12 22 11.60	45.370	+ 11.9	72.1	9 47 .	.	.	.
5	α Leonis September 6, B.	11	2 53.10	- 0.55	+ 5.95	26 22 0.38	49.197	+ 26.8	73.0	10 2 .	.	.	.
6	Sun I, S.	11	0 12.83	- 0.55	+ 5.91	32 49 39.88	49.470	+ 34.8	72.1	11 0 18.19	+ 64.19	+ 5 59 54.9	.
7	Sun II, N.	11	2 21.22	- 0.55	+ 5.91	32 17 34.48	50.392	+ 34.2	72.1	11 2 26.58	- 64.20	+ 6 31 41.3	.
8	α Canum Venat.	7	51 11.75	- 0.60	+ 5.93	359 58 6.45	49.495	+ 0.1	71.0	12 51 .	.	.	.
9	α Virginis	11	19 45.92	- 0.56	+ 5.94	49 28 5.70	46.294	+ 1 2.5	72.0	13 19 .	.	.	.
10	α Ursæ Minoris S. P.	5	22 26.90	+ 10.46	[+ 9.15]	307 38 6.20	46.895	+ 1 9.0	[71.8]	1 22 .	.	.	.
11	γ Virginis	11	29 26.48	- 0.55	+ 5.93	38 54 6.62	49.458	+ 43.2	73.2	13 29 .	.	.	.
12	Venus I, C.	11	48 41.80	- 0.57	+ 5.95	52 4 1.25	45.948	+ 1 8.6	72.1	13 48 50.18	+ 0.75	- 13 13 53.5	.
13	α Bootis	11	10 57.15	- 0.56	+ 5.97	19 8 8.90	46.378	+ 18.6	71.3	14 11 .	.	.	.
14	γ Tauri	8	13 57.30	- 0.57	+ 6.24	23 28 0.68	44.968	+ 24.0	70.3	4 14 .	.	.	.
15	ε Tauri	11	22 37.66	- 0.57	+ 6.24	19 54 12.12	43.655	+ 20.0	71.5	4 22 .	.	.	.
16	Moon II, N.	11	28 41.82	- 0.58	+ 6.28	13 58 2.90	44.848	+ 13.8	71.2	4 28 47.52	- 68.36	+ 24 53 19.7	.
17	β Orionis	11	9 35.30	- 0.60	+ 6.31	47 10 12.12	42.649	+ 59.5	71.8	5 9 .	.	.	.
18	β Tauri September 6, K.	11	19 48.52	- 0.58	+ 6.37	10 20 3.60	44.932	+ 10.1	71.1	5 19 .	.	.	.
19	ε Leonis	11	40 0.38	- 0.55	+ 6.19	14 36 3.42	47.465	+ 14.1	71.6	9 40 .	.	.	.
20	μ Leonis	10	46 54.39	- 0.56	+ 6.22	12 22 3.10	45.882	+ 11.9	71.9	9 47 .	.	.	.
21	γ Leonis September 7, K.	10	14 17.43	- 0.55	+ 6.26	18 30 6.18	44.680	+ 18.1	72.1	10 14 .	.	.	.
22	Sun II	11	5 56.99	- 0.54	+ 6.25	32 56 .	.	.	.	11 6 2.70	- 64.16	.	.
23	α Ursæ Minoris S. P.	3	22 31.80	+ 10.03	[+ 5.44]	307 38 3.40	47.097	+ 1 9.3	[72.4]	1 22 .	.	.	.
24	α Aurigæ	11	9 7.38	- 0.47	+ 6.68	352 58 7.75	44.642	+ 7.0	70.3	5 9 .	.	.	.
25	Moon II, N. September 7, L.	11	23 21.38	- 0.41	+ 6.69	13 32 6.68	43.667	+ 13.9	70.3	5 23 27.66	- 68.16	+ 25 19 37.6	.
26	ε Hydrae	11	41 18.75	- 0.46	+ 6.47	32 2 7.22	49.078	+ 35.4	69.0	8 41 .	.	.	.
27	α Hydrae	11	22 30.38	- 0.51	+ 6.50	47 4 6.80	43.356	+ 1 0.6	69.2	9 22 .	.	.	.
28	ε Leonis	11	39 59.99	- 0.43	+ 6.48	14 36 7.00	47.144	+ 14.7	68.1	9 40 .	.	.	.
29	α Leonis September 8, L.	11	2 52.45	- 0.45	+ 6.53	26 22 8.30	48.584	+ 27.9	69.6	10 2 .	.	.	.
30	Sun I, S.	11	7 24.34	- 0.47	+ 6.53	33 36 7.10	44.980	+ 37.3	68.8	11 7 30.40	+ 64.17	+ 5 14 48.0	.
31	Sun II, N.	11	9 32.68	- 0.47	+ 6.53	33 4 7.52	45.442	+ 36.5	68.8	11 9 38.74	- 64.17	+ 5 46 37.6	.
32	α Virginis	11	19 45.25	- 0.52	+ 6.56	49 28 8.20	45.868	+ 1 5.2	69.1	13 19 .	.	.	.
33	α Ursæ Minoris S. P.	9	22 38.72	+ 3.14	[+ 6.14]	307 38 7.75	46.920	+ 1 11.9	[71.6]	1 22 .	.	.	.
34	η Bootis	11	49 45.62	- 0.44	+ 6.53	19 56 7.25	47.011	+ 20.3	68.3	13 49 .	.	.	.
35	Venus I, N.	11	56 34.46	- 0.53	+ 6.58	52 58 6.82	44.770	+ 1 13.8	68.8	13 56 40.51	+ 0.76	- 14 7 45.0	.
36	Venus S.	.	.	.	.	52 58 6.82	45.960	+ 1 13.8	68.8	.	.	- 14 8 7.7	.
37	α Bootis	11	10 56.31	- 0.44	+ 6.66	19 8 7.10	46.238	+ 19.4	68.4	14 11 .	.	.	.
38	α Orionis	11	49 35.75	- 0.44	+ 6.75	31 28 9.38	42.855	+ 35.3	67.4	5 49 .	.	.	.
39	γ Orionis	11	1 41.78	- 0.43	+ 6.76	24 4 10.02	44.869	+ 25.7	66.8	6 1 .	.	.	.
40	δ Ursæ Minoris S. P.	5	4 49.80	+ 0.78	[+ 6.72]	305 30 6.55	44.408	+ 1 20.2	[68.9]	18 4 .	.	.	.
41	Moon II, S.	9	17 20.76	- 0.42	+ 6.72	14 50 8.58	47.836	+ 15.3	67.3	6 17 27.06	- 67.47	+ 24 0 11.3	.
42	γ Geminorum	11	31 45.91	- 0.42	+ 6.78	22 22 9.90	44.098	+ 23.6	67.2	6 31 .	.	.	.
43	α Canis Majoris	11	40 35.35	- 0.52	+ 6.59	55 24 9.42	46.060	+ 1 22.7	67.7	6 40 .	.	.	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°					"/	"/	"	"/
5 3 45	29.796	73.8	72.8	5.	Bisections at II, VI, VII.	6	+ 4.7	+15 53.2	.	+15 57.9	.
9 15	29.864	87.4	85.7	6, 20, 30.	Bisections at I, II.	7	+ 4.7	-15 53.2	.	-15 48.5	.
10 8	29.856	90.0	87.9	7, 14, 19, 31.	Bisections at VI, VII.	12	+ 8.7	.	- 1.5	+ 7.2	.
12 48	29.850	89.1	87.2	8.	Bisections at I, II, VI.	16	+13 4.5	-14 56.3	.	- 1 51.8	.
13 36	29.810	92.2	90.6	10.	Bisections at D ₂ , D ₁ .	25	+12 35.3	-14 50.7	.	- 2 15.4	.
14 15	29.798	92.0	90.7	16, 41.	Bisections at II, III, IV, V, VI.	30	+ 4.8	+15 54.8	.	+15 59.6	.
4 7	29.694	75.2	73.3	23.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ , C ₄ .	31	+ 4.8	-15 54.8	.	-15 50.0	.
5 23	29.704	74.2	72.7	25.	Bisections at III, IV, V.	35	+ 9.1	- 11.8	.	- 2.7	.
9 37	29.704	85.5	84.2	33.	Bisections at C ₃ , C ₂ , C ₁ .	36	+ 9.1	+ 11.8	- 0.9	+ 20.0	.
10 16	29.714	86.5	84.9	35.	Bisections at I, VII.	41	+13 46.0	+14 48.2	.	+28 34.2	.
7 13 15	29.680	89.0	86.3	36.	Bisections at I, VII.						
5 11	29.904	62.0	58.0	40.	Bisections at C ₂ , C ₁ , B ₃ , B ₂ .						
5 27	29.970	61.7	57.7								
8 43	30.038	68.3	66.8								
9 24	.	.	67.9								
9 42	30.046	71.0	68.1								
10 5	.	.	69.0								
8 11 10	30.040	73.2	70.9								
13 21	30.002	75.2	72.9								
13 59	.	.	72.9								
14 13	30.000	75.4	73.0								
5 51	30.100	60.8	57.7								
6 37	30.114	63.4	62.0								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	September 8, K.		m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Leonis	11	2 52.01	- 0.43	+ 6.96	26 22 5.80	48.721	+ 27.9	69.7	10 2 . .	.	.	.
2	γ^1 Leonis	11	14 16.55	- 0.42	+ 7.03	18 30 3.75	44.599	+ 18.8	68.5	10 14 . .	.	.	.
	September 9, K.												
3	Sun I, S.	11	10 59.79	- 0.44	+ 7.01	33 58 13.65	46.738	+ 37.7	69.1	11 11 6.36	+ 64.13	+ 4 52 7.6	.
4	Sun II, N.	11	13 8.05	- 0.44	+ 7.01	33 26 2.30	47.648	+ 37.0	69.1	11 13 14.62	- 64.13	+ 5 24 0.4	.
5	α Ursæ Minoris s. p.	5	22 38.62	+ 4.88	[+ 5.17]	307 38 17.42	46.361	- 1 11.8	[70.4]	1 22 . .	.	.	.
6	η Bootis.	11	49 45.06	- 0.42	+ 7.06	19 56 5.55	47.141	+ 20.2	68.9	13 49 . .	.	.	.
7	Venus I, C.	11	0 28.88	- 0.48	+ 7.07	53 24 5.02	47.310	+ 1 14.9	69.1	14 0 35.47	+ 0.77	- 14 34 32.6	.
8	α Bootis.	11	10 55.86	- 0.42	+ 7.08	19 8 5.25	46.382	+ 19.4	69.2	14 11 . .	.	.	.
9	ρ Bootis.	11	27 21.25	- 0.42	+ 7.07	8 2 5.00	45.694	+ 7.9	69.2	14 27 . .	.	.	.
10	ϵ Bootis.	11	40 27.25	- 0.42	+ 7.07	11 20 9.00	48.076	+ 11.2	68.9	14 40 . .	.	.	.
	September 9, B.												
11	γ Geminorum	11	31 45.47	- 0.49	+ 7.31	22 22 3.60	44.432	+ 23.5	67.2	6 31 . .	.	.	.
12	51 H. Cephei	11	52 59.33	- 3.48	[+ 8.83]	311 40 8.48	45.710	- 1 3.6	[67.7]	6 53 . .	.	.	.
13	α Canis Minoris	11	33 53.63	- 0.50	+ 7.21	33 22 7.75	43.733	+ 37.3	69.3	7 34 . .	.	.	.
14	β Geminorum	11	39 0.64	- 0.49	+ 7.34	10 34 11.42	47.784	+ 10.6	68.4	7 39 . .	.	.	.
15	α Hydræ	11	22 29.51	- 0.52	+ 7.41	47 4 12.55	43.010	+ 1 0.3	69.5	9 22 . .	.	.	.
	September 10, B.												
16	Sun I, N.	11	14 35.42	- 0.50	+ 7.32	33 48 11.48	49.740	+ 37.3	68.8	11 14 42.24	+ 64.12	+ 5 1 12.3	.
17	Sun II, S.	11	16 43.65	- 0.50	+ 7.32	34 20 11.58	49.112	+ 38.1	68.8	11 16 50.47	- 64.11	+ 4 29 21.6	.
18	α Ursæ Minoris s. p.	6	22 36.55	+ 7.05	[+ 5.68]	307 38 8.22	46.827	- 1 11.5	[67.1]	1 22 . .	.	.	.
19	η Bootis.	11	49 44.89	- 0.49	+ 7.29	19 56 8.90	47.005	+ 20.2	69.5	13 49 . .	.	.	.
20	Venus I, C.	11	4 23.53	- 0.54	+ 7.32	53 50 8.28	48.044	+ 1 15.8	68.8	14 4 30.31	+ 0.78	- 15 0 51.2	.
21	α Bootis.	11	10 55.66	- 0.49	+ 7.34	19 8 9.08	46.194	+ 19.3	69.2	14 11 . .	.	.	.
	September 10, S.												
22	γ Geminorum	11	31 45.31	- 0.44	+ 7.45	22 22 12.20	44.000	+ 24.1	68.1	6 31 . .	.	.	.
23	51 H. Cephei	7	52 56.37	- 0.55	[+ 9.39]	311 40 10.50	45.650	- 1 5.1	[68.4]	6 53 . .	.	.	.
24	α Canis Minoris	11	33 53.52	- 0.47	+ 7.32	33 22 12.75	43.381	+ 38.2	67.8	7 34 . .	.	.	.
25	β Geminorum	11	39 0.44	- 0.41	+ 7.49	10 34 10.98	47.680	+ 10.9	67.6	7 39 . .	.	.	.
26	Moon II.	11	1 6.15	- 0.44	+ 7.41	19 42 . .	.	.	.	8 1 13.12	- 65.24	.	.
27	α Hydræ	9	22 29.63	- 0.52	+ 7.31	47 4 10.68	43.052	+ 1 1.6	68.4	9 22 . .	.	.	.
28	ϵ Leonis	11	39 59.05	- 0.42	+ 7.46	14 36 11.40	46.932	+ 15.0	68.4	9 40 . .	.	.	.
	September 11, L.												
29	ϵ Hydræ	11	41 18.04	- 0.53	+ 7.33	32 2 6.58	48.968	+ 35.7	66.4	8 41 . .	.	.	.
30	Moon II.	11	50 33.91	- 0.52	+ 7.36	23 40 . .	.	.	.	8 50 40.75	- 64.16	.	.
31	α Hydræ	11	22 29.67	- 0.58	+ 7.35	47 4 5.15	43.352	+ 1 0.9	68.0	9 22 . .	.	.	.
32	ϵ Leonis	11	39 59.23	- 0.49	+ 7.37	14 36 5.70	47.135	+ 14.8	66.2	9 40 . .	.	.	.
33	α Leonis	11	2 51.73	- 0.52	+ 7.37	26 22 6.28	48.574	+ 28.1	67.3	10 2 . .	.	.	.
	September 12, L.												
34	Sun I, N.	9	21 46.75	- 0.54	+ 7.35	34 34 5.85	49.060	+ 38.9	66.8	11 21 53.56	+ 64.06	+ 4 15 27.4	.
35	Sun II, S.	11	23 54.88	- 0.54	+ 7.35	35 6 4.10	48.705	+ 39.6	66.8	11 24 1.69	- 64.07	+ 3 43 33.4	.
36	α Canum Venat.	11	51 10.17	- 0.48	+ 7.35	359 58 4.25	49.371	+ 0.1	65.7	12 51 . .	.	.	.
37	α Virginis.	11	19 44.63	- 0.58	+ 7.21	49 28 5.42	45.830	+ 1 5.5	66.1	13 19 . .	.	.	.
38	α Ursæ Minoris s. p.	6	22 42.42	+ 2.71	[+ 5.19]	307 38 3.35	47.143	- 1 12.3	[69.9]	1 22 . .	.	.	.
39	η Bootis.	11	49 44.78	- 0.50	+ 7.39	19 56 5.22	47.086	+ 20.4	67.4	13 49 . .	.	.	.
40	α Bootis.	8	10 55.59	- 0.50	+ 7.39	19 8 5.88	46.352	+ 19.5	67.7	14 11 . .	.	.	.
41	Venus I, S.	11	12 12.49	- 0.61	+ 7.33	54 42 5.22	47.675	+ 1 19.1	66.8	14 12 19.21	+ 0.80	- 15 52 46.4	.
42	Venus N.	.	.	.	.	54 42 5.22	46.560	+ 1 19.1	66.8	.	.	- 15 52 23.9	.
43	ι Piscium	11	34 39.96	- 0.52	+ 7.21	33 46 8.68	44.442	+ 38.6	66.6	23 34 . .	.	.	.

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.	
d	h	m	in.	°	°				'	''	'	''	
8	10	5	30.154	75.0	72.3	3, 16, 34, 40.	Bisections at I, II.	3	+	4.9	+15 56.3	.	+16 1.2
	10	16	30.150	74.8	72.0			4	+	4.8	-15 56.4	.	-15 51.6
9	11	14	30.146	76.0	73.9	4, 15, 17, 25, 35.	Bisections at VI, VII.	7	+	9.2	.	1.6	+ 7.6
	13	28	30.112	77.0	75.4	5, 12.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	16	+	4.9	-15 55.3	.	-15 50.4
	14	13	30.100	77.2	75.3	13.	Bisections at II, VI, VII.	17	+	4.9	+15 55.4	.	+16 0.3
	14	35	30.096	76.8	75.0	18.	Bisections at B ₃ , B ₂ , B ₁ .	20	+	9.3	.	1.6	+ 7.7
	6	35	30.126	65.0	63.9	23.	Bisections at D ₁ , D ₂ , D ₃ .	34	+	5.0	-15 57.0	.	-15 52.0
	7	45	30.138	69.8	68.1	38.	Bisections at C ₄ , C ₃ , C ₂ .	35	+	5.0	+15 57.0	.	+16 2.0
10	9	25	30.146	73.5	72.2	41.	Bisections at II, VI.	41	+	9.6	+ 11.7	- 0.9	+ 20.4
	11	17	30.142	77.2	76.4	42.	Bisection at I.	42	+	9.6	- 11.7	.	- 2.1
	12	44	30.116	78.2	77.1								
	13	45	30.092	78.6	77.6								
	14	47	30.080	77.8	76.7								
	6	26	30.120	54.6	51.2								
	7	11	30.119	57.0	53.9								
	8	32	30.143	62.4	58.9								
	9	32	30.138	64.8	61.8								
11	8	43	30.120	66.2	64.6								
	9	24	.	.	67.0								
	9	42	30.134	69.0	67.2								
	10	4	.	.	68.6								
12	11	24	30.130	71.6	69.7								
	13	28	30.112	75.2	72.0								
	13	51	.	.	71.9								
	14	15	30.100	74.0	71.9								
	23	36	30.116	60.5	57.9								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Niobe	10	50 42.01	-0.46	+ 7.25	12 30 5.55	42.230	+ 12.9	66.0	23 50 48.80	.	+ 26 18 46.8	.
2	α Andromedæ	11	3 4.51	-0.46	+ 7.30	10 20 5.15	42.255	+ 10.6	65.3	0 3 . . .	.	.	.
3	γ Pegasi	11	7 56.63	-0.50	+ 7.23	24 14 6.85	43.332	+ 26.0	65.8	0 8 . . .	.	.	.
4	ϵ Piscium	11	57 36.56	-0.52	+ 7.24	31 30 6.45	44.552	+ 35.5	66.5	0 57 . . .	.	.	.
5	α Ursæ Minoris	8	22 44.51	-0.70	[+ 6.74]	310 6 4.52	46.744	- 1 8.4	[67.5]	1 22 . . .	.	.	.
6	September 12, K. γ^1 Leonis	11	14 16.25	-0.42	+ 7.38	18 30 6.82	44.495	+ 19.0	67.9	10 14 . . .	.	.	.
	September 13, K. Sun I, N.	11	25 22.08	-0.45	+ 7.39	34 58 9.12	45.832	+ 39.4	68.1	11 25 29.02	+64.10	+ 3 52 26.8	.
8	Sun II, S.	11	27 30.28	-0.45	+ 7.39	35 30 12.95	45.052	+ 40.2	68.1	11 27 37.22	-64.10	+ 3 20 35.3	.
9	α Canum Venat.	3	51 9.93	-0.41	+ 7.51	359 58 9.35	49.265	+ 0.1	67.1	12 51 . . .	.	.	.
10	α Ursæ Minoris S. P.	4	22 40.80	+ 3.36	[+ 6.62]	307 38 5.90	46.932	- 1 12.3	[67.9]	1 22 . . .	.	.	.
11	α Bootis	7	10 55.55	-0.42	+ 7.34	19 8 5.32	45.343	+ 19.5	69.0	14 11 . . .	.	.	.
12	Venus I, C.	11	16 6.60	-0.50	+ 7.41	55 8 2.82	45.360	+ 1 20.3	68.1	14 16 13.51	+ 0.81	- 16 17 59.4	.
13	ρ Bootis	11	27 20.88	-0.42	+ 7.38	8 2 4.32	45.702	+ 8.0	68.4	14 27 . . .	.	.	.
	September 16, K. α^2 Capricorni	11	12 21.59	-0.64	+ 7.13	51 42 8.55	43.919	+ 1 10.3	70.0	20 12 . . .	.	.	.
15	π Capricorni	11	21 27.13	-0.66	+ 7.04	57 22 2.50	46.839	+ 1 26.7	69.5	20 21 . . .	.	.	.
16	ϵ Delphini	11	28 17.84	-0.59	+ 7.01	27 54 1.95	42.588	+ 29.4	68.7	20 28 . . .	.	.	.
17	Bessel XX ^b , 997	11	41 13.45	-0.62	+ 7.06	45 12 2.22	43.040	+ 56.0	69.2	20 41 19.89	- 4.25	- 6 20 50.5	-17.9
18	München II, 10832	11	42 43.79	-0.62	+ 7.06	45 12 2.22	41.485	+ 56.1	69.2	20 42 50.23	- 4.26	- 6 23 33.0	-18.0
19	München II, 10842	11	43 16.55	-0.62	+ 7.06	45 12 2.22	35.432	+ 55.9	69.2	20 43 22.99	- 4.26	- 6 18 24.5	-18.1
20	μ Aquarii	11	47 7.14	-0.63	+ 7.02	48 12 0.90	45.426	+ 1 2.2	68.7	20 47 . . .	.	.	.
21	θ Piscium	11	22 45.49	-0.60	+ 7.15	33 2 2.62	42.716	+ 36.4	68.8	23 22 . . .	.	.	.
22	ι Piscium	11	34 40.18	-0.60	+ 7.10	33 46 4.45	44.852	+ 37.4	69.3	23 34 . . .	.	.	.
23	Niobe	9	46 38.38	-0.58	+ 7.14	12 32 5.10	45.648	+ 12.5	68.4	23 46 44.94	.	+ 26 19 0.4	.
24	ω Piscium	10	54 2.36	-0.60	+ 7.08	32 32 3.85	46.352	+ 35.8	68.5	23 54 . . .	.	.	.
25	α Andromedæ	11	3 4.73	-0.58	+ 7.24	10 20 4.88	42.345	+ 10.2	67.2	0 3 . . .	.	.	.
	September 16, B. ϵ Leonis	9	46 53.58	-0.60	+ 7.24	12 22 11.08	45.389	+ 12.1	70.5	9 40 . . .	.	.	.
27	μ Leonis	11	2 52.09	-0.60	+ 7.17	26 22 12.28	48.498	+ 27.4	70.7	10 2 . . .	.	.	.
28	α Leonis	11	14 16.68	-0.60	+ 7.19	18 30 11.45	44.280	+ 18.4	70.1	10 14 . . .	.	.	.
29	γ^1 Leonis	11	38 23.42	-0.60	+ 7.19	30 22 13.02	47.450	+ 32.2	70.3	10 38 30.01	- 0.13	+ 8 28 0.3	.
30	Mercury C, C.	11	38 23.42	-0.60	+ 7.19	30 22 13.02	47.450	+ 32.2	70.3	10 38 30.01	- 0.13	+ 8 28 0.3	.
	September 17, B. Sun I, S.	11	39 44.10	-0.61	+ 7.18	37 2 12.04	47.218	+ 41.2	70.3	11 39 50.67	+64.07	+ 1 47 57.7	.
32	Sun II, N.	11	41 52.25	-0.61	+ 7.18	36 30 12.08	47.455	+ 40.5	70.3	11 41 58.82	-64.08	+ 2 19 52.0	.
33	α Virginis	11	19 44.77	-0.64	+ 7.11	49 28 0.95	46.350	+ 1 3.5	69.8	13 19 . . .	.	.	.
34	α Ursæ Minoris S. P.	6	22 38.47	+ 6.67	[+ 7.63]	307 38 14.28	46.587	- 1 10.0	[68.7]	1 22 . . .	.	.	.
35	α Bootis	11	10 55.90	-0.60	+ 7.13	19 8 4.78	46.539	+ 18.9	70.5	14 11 . . .	.	.	.
36	Venus I, C.	11	31 41.18	-0.66	+ 7.15	56 46 8.62	45.862	+ 1 22.7	70.3	14 31 47.67	+ 0.85	- 17 56 15.0	.
37	ϵ Bootis	11	40 27.19	-0.60	+ 7.19	11 20 6.62	48.362	+ 11.0	70.8	14 40 . . .	.	.	.
38	α^2 Capricorni	11	12 21.52	-0.70	+ 7.25	51 42 1.22	44.276	+ 1 10.1	69.3	20 12 . . .	.	.	.
39	π Capricorni	11	21 26.99	-0.72	+ 7.23	57 21 59.68	47.052	+ 1 26.4	70.4	20 21 . . .	.	.	.
40	Bessel XX ^b , 997	11	41 13.31	-0.68	+ 7.23	45 12 7.35	43.075	+ 55.8	69.5	20 41 19.86	- 4.23	- 6 20 52.9	-17.9
41	München II, 10832	11	42 43.61	-0.68	+ 7.23	45 12 7.35	41.325	+ 55.9	69.5	20 42 50.16	- 4.24	- 6 23 34.6	-18.0
42	β Aquarii	11	26 9.22	-0.67	+ 7.22	44 52 7.28	42.871	+ 55.2	69.2	21 26 . . .	.	.	.
43	ξ Aquarii	11	32 17.25	-0.68	+ 7.23	47 8 5.05	47.460	+ 59.8	69.3	21 32 . . .	.	.	.
44	θ Piscium	11	22 45.44	-0.65	+ 7.26	33 2 3.92	42.718	+ 36.2	70.0	23 22 . . .	.	.	.
45	ι Piscium	11	34 40.02	-0.65	+ 7.31	33 46 8.85	44.631	+ 37.3	69.5	23 34 . . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for. Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
12 1 6	30.120	58.4	56.1	I.				I	+	0.9	.	+	0.9
10 16	30.156	71.8	68.6	I, 18, 41.				7	+	5.0	-15 55.7	.	-15 50.7
13 11 27	30.146	71.9	69.9	5.				8	+	5.1	+15 55.7	.	+16 0.8
12 53	30.110	74.2	72.7	6, 7, 9, 18, 31, 40, 41.				12	+	9.8	.	-	8.1
13 47	30.092	74.3	71.2	8, 16, 17, 19, 24, 29, 32.				23	+	0.9	.	+	0.9
14 24	30.088	73.8	72.4	10.				30	+	5.3	.	+	6.1
20 14	29.804	72.7	71.2	34.				31	+	5.3	+15 57.1	.	+16 2.4
23 50	29.804	71.8	70.5					32	+	5.2	-15 57.1	.	-15 51.9
23 19	29.812	69.2	68.0					36	+	10.4	.	-	8.6
9 15	29.898	75.3	74.8										
9 55	29.898	77.8	77.3										
10 42	29.898	80.6	79.8										
11 42	29.906	83.0	81.7										
13 30	29.880	86.2	84.6										
14 16	29.876	85.4	84.7										
14 50	29.870	85.0	84.1										
20 7	29.860	76.8	73.9										
21 15	29.846	74.0	72.6										
21 37	29.844	73.6	72.1										
23 14	29.826	72.0	70.7	I, 23. Bright wire illumination.									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
			m	s	Instru- ment.	Clock.								
1	Niohe	9	45	36.91	- 0.62	+ 7.29	12 32 7.78	37.106	+ 12.4	69.5	23 45 43.58	.	+ 26 18 27.6	.
2	ω Piscium	11	54	2.25	- 0.64	+ 7.24	32 32 8.55	46.248	+ 35.6	69.7	23 54 . . .	.	.	.
3	α Andromedæ	11	3	4.67	- 0.62	+ 7.35	10 20 7.42	42.259	+ 10.2	68.3	0 3 . . .	.	.	.
September 18, K.														
4	α Hydræ	11	22	29.93	- 0.59	+ 7.23	47 4 6.02	43.529	+ 59.2	70.7	9 22 . . .	.	.	.
5	ε Leonis	11	39	59.51	- 0.50	+ 7.23	14 36 5.80	47.400	+ 14.4	69.9	9 40 . . .	.	.	.
6	α Leonis	11	2	52.00	- 0.53	+ 7.22	26 22 5.30	48.882	+ 27.3	70.8	10 2 . . .	.	.	.
7	γ ¹ Leonis	11	14	16.55	- 0.51	+ 7.26	18 30 4.05	44.775	+ 18.4	70.5	10 14 . . .	.	.	.
8	Mercury II, C.	11	43	24.93	- 0.54	+ 7.24	30 18 10.85	47.546	+ 32.0	70.6	10 43 31.63	- 0.25	+ 8 32 1.2	.
September 19, K.														
9	Sun I, S.	11	46	54.75	- 0.56	+ 7.25	37 48 9.90	49.040	+ 42.3	70.6	11 47 1.44	+ 64.04	+ 1 1 24.1	.
10	Sun II, N.	11	49	2.84	- 0.56	+ 7.25	37 16 9.72	49.205	+ 41.5	70.6	11 49 9.53	- 64.05	+ 1 33 20.1	.
11	α Virginis	11	19	44.56	- 0.60	+ 7.27	49 28 4.22	46.192	+ 1 3.3	69.9	13 19 . . .	.	.	.
12	α Ursæ Minoris s. p.	6	22	43.00	+ 1.74	[+ 9.23]	307 38 6.02	47.175	- 1 9.9	[71.1]	1 22 . . .	.	.	.
13	η Bootis	11	49	44.87	- 0.51	+ 7.25	19 56 5.60	47.291	+ 19.7	70.2	13 49 . . .	.	.	.
14	α Bootis	11	10	55.60	- 0.51	+ 7.32	19 8 3.08	46.682	+ 18.8	71.1	14 11 . . .	.	.	.
15	Venus I, C.	11	39	26.05	- 0.63	+ 7.28	57 32 4.60	49.089	+ 1 24.7	70.6	14 39 32.70	+ 0.88	- 18 43 14.6	.
16	Moon I, N.	11	40	48.84	- 0.67	+ 7.28	59 44 4.60	47.451	+ 1 32.3	70.6	14 40 55.45	+ 70.58	- 20 54 50.9	.
17	α ² Libræ	11	45	9.94	- 0.62	+ 7.26	54 26 6.62	49.706	+ 1 15.4	72.1	14 45 . . .	.	.	.
18	α ² Capricorni	11	12	21.44	- 0.69	+ 7.29	51 42 1.32	44.358	+ 1 9.8	70.7	20 12 . . .	.	.	.
19	π Capricorni	11	21	26.85	- 0.72	+ 7.35	57 22 1.00	46.998	+ 1 26.1	70.3	20 21 . . .	.	.	.
20	ε Delphini	11	28	17.39	- 0.63	+ 7.47	27 54 4.48	42.574	+ 29.3	69.7	20 28 . . .	.	.	.
21	Bessel XX ^h , 997	11	41	13.14	- 0.67	+ 7.38	45 12 6.40	43.058	+ 55.6	70.0	20 41 19.85	- 4.21	- 6 20 52.4	- 18.0
22	München II, 10832	11	42	43.47	- 0.67	+ 7.38	45 12 6.40	41.318	+ 55.7	70.0	20 42 50.18	- 4.22	- 6 23 32.8	- 18.1
23	München II, 10842	11	43	16.25	- 0.67	+ 7.38	45 12 6.40	35.292	+ 55.6	70.0	20 43 22.96	- 4.22	- 6 18 24.9	- 18.2
24	μ Aquarii	11	47	6.81	- 0.68	+ 7.37	48 12 5.80	45.251	+ 1 1.8	69.8	20 47 . . .	.	.	.
25	θ Piscium	11	22	45.22	- 0.64	+ 7.47	33 2 5.18	42.642	+ 36.1	69.9	23 22 . . .	.	.	.
26	ι Piscium	11	34	39.90	- 0.64	+ 7.43	33 46 3.58	44.970	+ 37.1	70.7	23 34 . . .	.	.	.
27	Niohe	8	43	33.45	- 0.61	+ 7.50	12 34 3.88	47.151	+ 12.4	70.0	23 43 40.34	.	+ 26 16 34.5	.
28	ω Piscium	11	54	1.97	- 0.64	+ 7.54	32 32 4.80	46.498	+ 35.5	70.9	23 54 . . .	.	.	.
29	α Andromedæ	11	3	4.45	- 0.61	+ 7.57	10 20 2.32	42.486	+ 10.2	68.1	0 3 . . .	.	.	.
September 20, L.														
30	Sun I, S.	11	50	30.04	- 0.57	+ 7.43	38 12 4.78	47.002	+ 44.1	67.5	11 50 36.90	+ 64.07	+ 0 38 3.4	.
31	Sun II, N.	11	52	38.18	- 0.57	+ 7.43	37 40 12.48	46.782	+ 43.3	67.5	11 52 45.04	- 64.07	+ 1 9 58.9	.
32	α Ursæ Minoris s. p.	5	22	45.26	+ 5.28	[+ 4.05]	307 38 8.00	46.963	- 1 12.0	[68.6]	1 22 . . .	.	.	.
33	α Bootis	11	10	55.52	- 0.54	+ 7.42	19 8 11.00	46.061	+ 19.4	67.7	14 11 . . .	.	.	.
34	ε Bootis	11	40	26.78	- 0.53	+ 7.49	11 20 9.60	48.042	+ 11.2	67.3	14 40 . . .	.	.	.
35	Venus I, N.	11	43	17.71	- 0.63	+ 7.46	57 56 10.42	44.482	+ 1 28.6	67.5	14 43 24.54	+ 0.89	- 19 5 59.0	.
36	Venus S.	11	57	56 10.42	- 0.64	+ 7.48	33 46 12.82	44.264	+ 38.3	67.6	23 34 . . .	.	.	.
37	ι Piscium	11	34	39.86	- 0.64	+ 7.50	32 32 13.38	45.795	+ 36.5	67.0	23 54 . . .	.	.	.
38	ω Piscium	10	54	2.01	- 0.64	+ 7.57	10 20 11.10	41.891	+ 10.5	66.0	0 3 . . .	.	.	.
39	α Andromedæ	11	3	4.40	- 0.55	+ 7.57	24 14 11.52	43.092	+ 25.7	66.7	0 8 . . .	.	.	.
40	γ Pegasi	11	7	56.48	- 0.60	+ 7.57	310 6 9.58	46.322	- 1 7.7	[67.9]	1 22 . . .	.	.	.
41	α Ursæ Minoris	8	22	50.12	+ 0.82	[+ 3.95]						.	.	.
September 21, S.														
42	Sun I, S.	11	54	5.09	- 0.49	+ 7.87	38 36 11.08	44.515	+ 45.4	66.4	11 54 12.47	+ 63.97	+ 0 14 42.4	.
43	Sun II, N.	11	56	13.04	- 0.49	+ 7.87	38 4 11.88	44.738	+ 44.6	66.4	11 56 20.42	- 63.98	+ 0 46 36.3	.
44	α Ursæ Minoris s. p.	8	22	46.35	- 0.06	[+ 8.89]	307 38 8.40	46.937	- 1 12.8	[67.2]	1 22 . . .	.	.	.
45	α Bootis	11	10	54.96	- 0.43	+ 7.86	19 8 10.05	46.054	+ 19.6	66.6	14 11 . . .	.	.	.
46	ε Bootis	7	40	26.35	- 0.41	+ 7.79	11 20 9.98	47.927	+ 11.4	66.2	14 40 . . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.	
d h m		in.	o	o						' "	' "	"	' "	"
17	0 10	29.810	71.2	69.9	I, 22.	Z. D. thread A used.			1	+ 0.9	.	.	+ 0.9	.
18	9 24	29.864	77.8	77.1	9, 22, 30, 42.	Bisections at I, II.			8	+ 5.0	.	.	+ 5.7	.
	10 12	29.870	80.5	79.0		Bisections at VI, VII.			9	+ 5.4	+ 15 57.9	.	+ 16 3.3	.
19	10 45	29.872	82.0	80.2	10, 23, 31, 43.	Bisections at D ₁ , D ₂ , D ₃ .			10	+ 5.3	- 15 58.0	.	- 15 52.7	.
	11 49	29.856	83.2	82.0	12.	Bisections at II, III, IV, V, VI.			15	+ 10.8	.	.	+ 9.0	.
	13 11	29.820	84.8	84.2	16.	Bisections at II, VI.			16	+ 50 11.5	- 15 53.8	.	+ 34 17.7	.
	13 27	29.814	85.6	84.2	21, 34, 36, 38.	Bisections at C ₁ , C ₂ , C ₃ .			27	+ 0.9	.	.	+ 0.9	.
	14 7	29.802	86.2	85.7		Bisections at I, VII.			30	+ 5.4	+ 15 57.7	.	+ 16 3.1	.
	14 47	29.792	86.0	86.1		Bisections at C ₁ , C ₂ , C ₃ .			31	+ 5.4	- 15 57.8	.	- 15 52.4	.
	20 14	29.836	76.2	75.4		Bisections at C ₁ , C ₂ , C ₃ .			35	+ 10.9	- 11.3	.	- 0.4	.
	20 49	29.836	75.2	74.3		Bisections at II, VI, VII.			36	+ 10.9	+ 11.3	.	+ 21.5	.
	23 20	29.844	72.8	73.5					42	+ 5.5	+ 15 56.9	.	+ 16 2.4	.
	23 0 0	29.854	72.6	71.0					43	+ 5.4	- 15 56.9	.	- 15 51.5	.
20	11 53	30.010	73.0	70.2										
	13 28	29.958	75.2	72.3										
	14 13	29.974	76.0	73.4										
	14 46	29.970	76.0	73.3										
	23 30	30.020	64.0	60.2										
	0 18	30.030	63.8	61.7										
	1 19	30.040	62.0	59.3										
21	11 56	30.188	68.7	66.0										
	13 35	30.153	70.6	68.7	I, 27.	Bright wire illumination.								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	Venus I, N.	11	47 8.55	- 0.58	+ 7.82	58 18 9.80	46.056	+ I 31.2	66.4	14 47 15.79	+ 0.90	- 19 28 32.3	. .
2	Piscium	11	34 39.56	- 0.44	+ 7.58	33 46 10.90	44.299	+ 38.4	66.6	23 34 . .	. .		. .
3	Piscium	11	54 1.69	- 0.44	+ 7.63	33 32 11.15	45.894	+ 36.7	66.9	23 54 . .	. .		. .
4	Andromedæ	11	3 4.16	- 0.38	+ 7.64	10 20 9.90	41.938	+ 10.5	65.9	0 3 . .	. .		. .
5	Andromedæ	11	3 58.64	- 0.36	+ 7.72	3 46 10.78	45.048	+ 3.8	66.7	1 4 . .	. .		. .
6	Ursæ Minoris	8	22 50.38	- 0.20	[+ 5.29]	310 6 9.40	46.233	- I 7.8	[66.3]	1 22 . .	. .		. .
September 23, K.													
7	Sun S.					39 22 10.68	47.132	+ 44.8	69.5		. .	- 0 32 3.6	. .
8	Sun II, N.	11	3 24.48	- 0.47	+ 7.77	38 50 10.20	47.328	+ 43.9	69.5	12 3 31.78	- 64.10	- 0 0 7.8	. .
9	Ursæ Minoris s. p.	4	22 45.15	+ 4.80	[+ 6.28]	307 38 8.18	46.963	- I 9.8	[67.7]	1 22 . .	. .		. .
10	Bootis	9	49 44.34	- 0.45	+ 7.70	19 56 7.75	47.123	+ 19.7	69.0	13 49 . .	. .		. .
11	Bootis	11	10 55.15	- 0.45	+ 7.68	19 8 8.45	46.372	+ 18.8	68.6	14 11 . .	. .		. .
12	Venus I, N.	11	54 49.20	- 0.52	+ 7.69	59 2 8.00	45.955	+ I 29.6	69.5	14 54 56.37	+ 0.93	- 20 12 24.7	. .
13	Libræ	5	11 26.33	- 0.49	+ 7.73	47 50 3.55	48.250	+ 59.6	70.8	15 11 . .	. .		. .
14	Aquilæ	11	29 35.92	- 0.56	+ 7.63	47 8 3.88	49.175	+ 58.8	70.3	18 29 . .	. .		. .
15	Sagittarii	11	48 53.68	- 0.62	+ 7.59	65 14 5.48	47.695	+ I 58.0	69.5	18 49 . .	. .		. .
16	Moon I, S.	11	53 19.94	- 0.63	+ 7.58	63 0 4.70	46.829	+ I 47.0	69.2	18 53 26.89	+ 73.51	- 24 10 55.2	. .
17	Sagittarii	11	11 37.22	- 0.59	+ 7.53	57 58 9.30	44.644	+ I 27.3	69.3	19 11 . .	. .		. .
18	Pegasi	11	59 38.01	- 0.51	+ 7.63	24 12 4.98	42.304	+ 24.9	68.1	22 59 . .	. .		. .
19	Piscium	11	22 44.88	- 0.52	+ 7.70	33 2 7.70	42.450	+ 36.1	69.0	23 22 . .	. .		. .
20	Piscium	11	34 39.46	- 0.52	+ 7.77	33 46 6.00	44.752	+ 37.1	69.3	23 34 . .	. .		. .
September 23, B.													
21	Hydræ	11	22 29.50	- 0.57	+ 7.74	47 4 10.80	43.156	+ 59.7	68.9	9 22 . .	. .		. .
22	Leonis	11	39 59.08	- 0.50	+ 7.76	14 36 5.48	47.326	+ 14.5	67.5	9 40 . .	. .		. .
23	Leonis	11	46 53.15	- 0.50	+ 7.71	12 22 8.25	45.500	+ 12.2	68.8	9 47 . .	. .		. .
24	Leonis	8	2 51.57	- 0.52	+ 7.72	26 22 9.70	48.508	+ 27.6	69.2	10 2 . .	. .		. .
25	Mercury C, C.	11	4 7.15	- 0.53	+ 7.74	31 22 9.45	47.992	+ 33.9	68.8	11 4 14.36	- 0.06	+ 7 27 50.3	. .
September 24, B.													
26	Sun I, N.	11	4 52.26	- 0.55	+ 7.75	39 14 11.65	45.465	+ 45.3	68.8	12 4 59.46	+ 64.12	- 0 23 33.8	. .
27	Sun II, S.	11	7 0.50	- 0.55	+ 7.75	39 46 11.18	45.205	+ 46.1	68.8	12 7 7.70	- 64.12	- 0 55 31.0	. .
28	Ursæ Minoris s. p.	7	22 44.49	+ 3.61	[+ 8.55]	307 38 3.58	47.228	- I 11.3	[68.3]	1 22 . .	. .		. .
29	Bootis	11	10 55.15	- 0.51	+ 7.73	19 8 2.72	46.590	+ 19.2	68.7	14 11 . .	. .		. .
30	Bootis	11	27 20.44	- 0.50	+ 7.77	8 2 4.35	45.895	+ 7.9	68.7	14 27 . .	. .		. .
31	Bootis	10	40 26.40	- 0.50	+ 7.80	11 20 6.70	48.309	+ 11.1	68.9	14 40 . .	. .		. .
32	Libræ	10	45 9.39	- 0.60	+ 7.75	54 26 2.48	49.778	+ I 17.2	70.0	14 45 . .	. .		. .
33	Venus I, C.	11	58 38.43	- 0.62	+ 7.76	59 24 8.18	44.121	+ I 33.1	68.8	14 58 45.57	+ 0.94	- 20 33 53.1	. .
34	Aquilæ	11	41 21.00	- 0.55	+ 7.69	28 28 2.55	47.469	+ 30.4	68.5	19 41 . .	. .		. .
35	Aquilæ	11	45 44.85	- 0.56	+ 7.72	30 14 4.70	47.001	+ 32.7	67.4	19 45 . .	. .		. .
36	Moon I, S.	11	55 15.30	- 0.68	+ 7.70	59 34 8.38	44.144	+ I 35.1	68.1	19 55 22.32	+ 71.77	- 20 43 56.6	. .
37	Capricorni	11	12 20.91	- 0.62	+ 7.68	51 41 59.45	44.256	+ I 10.9	67.9	20 12 . .	. .		. .
38	Capricorni	11	21 26.37	- 0.65	+ 7.69	57 22 3.35	46.722	+ I 27.4	68.6	20 21 . .	. .		. .
39	Bessel XX ^h , 997	11	41 12.67	- 0.60	+ 7.71	45 12 1.82	43.198	+ 56.5	68.1	20 41 19.78	- 4.18	- 6 20 51.9	- 18.1
40	München II, 10832	11	42 42.92	- 0.60	+ 7.71	45 12 1.82	41.450	+ 56.6	68.1	20 42 50.03	- 4.19	- 6 23 33.6	- 18.3
41	München II, 10842	11	43 15.70	- 0.60	+ 7.71	45 12 1.82	35.430	+ 56.4	68.1	20 43 22.81	- 4.19	- 6 18 25.6	- 18.3
42	Piscium	11	57 36.25	- 0.56	+ 7.74	31 30 9.48	44.342	+ 35.0	66.0	0 57 . .	. .		. .
43	Andromedæ	11	3 58.68	- 0.51	+ 7.87	3 46 2.10	45.464	+ 3.8	65.3	1 4 . .	. .		. .
44	Ursæ Minoris	7	22 47.96	- 3.84	[+ 12.72]	310 6 4.55	46.345	- I 7.4	[66.4]	1 22 . .	. .		. .
45	Piscium	11	25 58.75	- 0.54	+ 7.81	24 1 59.35	42.970	+ 25.5	64.3	1 26 . .	. .		. .
September 25, S.													
46	Capricorni	11	21 26.60	- 0.58	+ 7.38	57 22 9.20	46.400	+ I 27.5	68.3	20 21 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
21	14	54	30.144	71.5	69.4	5, 8, 12, 24, 27, 41, 45.	Bisections at VI, VII.	1	+ 11.1	- 12.7	.	- 1.6
23	13	41	30.116	61.5	59.8	6.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	7	+ 5.6	+ 15 57.8	.	+ 16 3.4
23	12	3	30.095	61.0	59.7	7, 11, 26, 30, 32, 39, 40.	Bisections at I, II.	8	+ 5.5	- 15 57.9	.	- 15 52.4
13	9	29.576	75.6	77.1	9.		Bisections at D ₃ , D ₂ , D ₁ .	12	+ 11.5	- 12.9	.	- 1.4
13	50	29.550	82.2	81.0	10.		Bisections at I, VI, VII.	16	+ 52 46.8	+ 16 12.0	.	+ 68 58.8
14	56	29.540	82.0	82.2	13.		Bisection at VII.	25	+ 4.5	.	+ 0.5	+ 5.0
15	13	29.540	81.8	81.8	16, 36.		Bisections at II, III, IV, V, VI.	26	+ 5.6	- 15 58.6	.	- 15 53.0
16	31	29.550	77.2	75.8	28.		Bisections at C ₂ , C ₃ , C ₁ .	27	+ 5.6	+ 15 58.6	.	+ 16 4.2
19	13	29.554	75.3	74.6	40.		Z. D. thread A used.	33	+ 11.6	.	- 1.9	+ 9.7
23	42	29.576	69.3	68.0	44.		Bisections at B ₁ , B ₂ , B ₃ , C ₁ , C ₂ .	36	+ 51 7.1	+ 16 13.3	.	+ 67 20.4
9	13	29.718	71.3	69.9								
10	8	29.718	72.8	70.9								
11	9	29.762	73.0	71.1								
24	12	7	29.776	74.0	72.1							
13	35	29.782	75.0	73.3								
15	3	29.782	75.2	74.1								
19	35	29.814	69.3	67.7								
20	27	29.820	68.2	66.9								
20	54	29.830	68.0	66.5								
0	51	29.872	61.8	59.3								
1	37	29.850	60.6	58.3								
25	20	29.818	68.0	66.6								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	μ Aquarii	II	47 6.48	— 0.54	+ 7.49	48 12 10.18	44.798	+ I 2.7	66.4	20 47 . .	. .		. .
2	Moon I, S.	II	54 10.76	— 0.58	+ 7.45	54 50 9.52	47.238	+ I 19.6	67.0	20 54 17.63	+69.78	— 16 0 42.7	. .
3	β Aquarii	5	26 8.81	— 0.53	+ 7.42	44 52 10.20	42.465	+ 55.8	66.4	21 26 . .	. .		. .
4	ε Pegasi	II	39 7.76	— 0.49	+ 7.51	29 26 11.22	44.678	+ 31.7	67.1	21 39 . .	. .		. .
September 26, L.													
5	Sun I, N.	II	12 4.47	— 0.54	+ 7.52	39 59 57.75	48.500	+ 46.2	67.8	12 12 11.45	+64.16	— I 10 20.0	. .
6	Sun II, S.	II	14 12.79	— 0.54	+ 7.52	40 31 57.60	48.348	+ 47.2	67.8	12 14 19.77	—64.16	— I 42 19.8	. .
7	α Ursæ Minoris s. p.	6	22 45.63	+ 4.68	[+ 7.02]	307 37 59.08	47.548	— I 10.5	[70.0]	I 22 . .	. .		. .
8	η Bootis	II	49 44.66	— 0.51	+ 7.43	19 55 59.22	47.545	+ 19.8	67.9	13 49 . .	. .		. .
9	α Bootis	II	10 55.42	— 0.51	+ 7.45	19 8 0.42	46.708	+ 18.9	68.2	14 11 . .	. .		. .
10	ε Bootis	7	40 26.67	— 0.50	+ 7.51	11 19 58.08	48.752	+ 11.0	67.8	14 40 . .	. .		. .
11	Venus I, N.	II	6 14.84	— 0.61	+ 7.46	60 3 59.00	48.160	+ I 34.3	67.8	15 6 21.69	+ 0.97	— 21 15 4.4	. .
12	α Coronæ Borealis .	II	30 17.00	— 0.50	+ 7.48	11 47 59.65	44.551	+ 11.4	67.4	15 30 . .	. .		. .
13	ξ Aquarii	II	32 16.99	— 0.56	+ 7.30	47 8 6.08	47.379	+ 59.3	68.3	21 32 . .	. .		. .
14	Moon I, S.	II	50 10.25	— 0.57	+ 7.29	49 14 2.00	46.992	+ I 3.8	68.4	21 50 16.97	+68.00	— 10 24 13.2	. .
15	α Aquarii	II	0 30.29	— 0.54	+ 7.30	39 40 3.82	42.472	+ 45.6	68.3	22 0 . .	. .		. .
16	θ Aquarii	II	11 24.85	— 0.56	+ 7.29	47 8 3.25	43.548	+ 59.2	68.4	22 11 . .	. .		. .
17	λ Aquarii	II	47 15.46	— 0.56	+ 7.25	46 58 4.62	42.981	+ 59.0	68.5	22 47 . .	. .		. .
September 26, K.													
18	α Leonis	II	2 51.77	— 0.48	+ 7.53	26 22 5.32	48.774	+ 27.8	68.4	10 2 . .	. .		. .
19	γ ¹ Leonis	II	14 16.34	— 0.46	+ 7.56	18 30 4.08	44.685	+ 18.8	68.1	10 14 . .	. .		. .
20	δ Leonis	II	8 36.22	— 0.46	+ 7.53	17 46 6.02	46.282	+ 18.0	68.9	11 8 . .	. .		. .
21	Mercury II, C. . . .	II	20 31.95	— 0.50	+ 7.55	32 44 8.70	46.971	+ 36.0	68.6	11 20 39.00	— 0.20	+ 6 6 8.4	. .
September 27, K.													
22	Sun I, N.	II	15 40.65	— 0.53	+ 7.55	40 24 6.70	46.100	+ 47.5	68.6	12 15 47.67	+64.16	— I 33 43.5	. .
23	Sun II, S.	II	17 48.97	— 0.53	+ 7.55	40 56 6.95	45.828	+ 48.4	68.6	12 17 55.99	—64.16	— 2 5 41.2	. .
24	α Ursæ Minoris s. p.	5	19 44.21	— 0.56	+ 7.57	49 28 6.82	45.909	+ I 5.1	69.1	13 19 . .	. .		. .
25	α Virgini	22	49.34	— 0.10	[+ 8.37]	307 38 5.00	47.353	— I 11.8	[68.6]	I 22 . .	. .		. .
26	ε Bootis	II	40 26.65	— 0.44	+ 7.56	11 20 5.38	48.329	+ 11.2	67.6	14 40 . .	. .		. .
27	Venus I, N.	II	10 1.35	— 0.62	+ 7.58	60 24 2.80	47.848	+ I 37.7	68.6	15 10 8.31	+ 0.98	— 21 35 4.0	. .
28	α Coronæ Borealis .	II	30 16.79	— 0.44	+ 7.61	11 48 4.05	44.391	+ 11.7	68.8	15 30 . .	. .		. .
29	α Serpentis	II	39 9.90	— 0.50	+ 7.55	32 6 4.58	45.499	+ 34.9	69.6	15 39 . .	. .		. .
30	π Aquarii	II	20 1.39	— 0.62	+ 7.66	37 58 8.02	46.826	+ 44.5	66.8	22 20 . .	. .		. .
31	η Aquarii	II	30 4.35	— 0.63	+ 7.59	39 28 7.30	47.306	+ 46.9	67.1	22 30 . .	. .		. .
32	ζ Pegasi	II	36 19.70	— 0.59	+ 7.67	28 32 4.20	46.610	+ 31.0	68.1	22 36 . .	. .		. .
33	Moon I, S.	II	43 52.69	— 0.65	+ 7.65	43 8 5.40	47.593	+ 53.4	67.2	22 43 59.69	+66.76	— 4 18 19.0	. .
34	α Pegasi	II	59 38.02	— 0.58	+ 7.68	24 12 6.72	42.089	+ 25.6	66.9	22 59 . .	. .		. .
September 27, S.													
35	α Hydræ	II	22 29.68	— 0.50	+ 7.58	47 4 10.30	42.992	+ I 1.1	66.6	9 22 . .	. .		. .
36	ε Leonis	II	39 59.28	— 0.41	+ 7.56	14 36 10.62	47.051	+ 14.8	67.1	9 40 . .	. .		. .
37	α Leonis	II	2 51.75	— 0.44	+ 7.54	26 22 11.18	48.444	+ 28.1	68.1	10 2 . .	. .		. .
38	γ ¹ Leonis	II	14 16.22	— 0.42	+ 7.66	18 30 10.52	44.274	+ 18.9	66.6	10 14 . .	. .		. .
39	Mercury C, C. . . .	II	26 24.76	— 0.46	+ 7.56	33 16 11.18	49.338	+ 36.8	67.7	11 26 31.86	— 0.04	+ 5 33 18.8	. .
September 28, S.													
40	Sun I, N.	II	19 17.05	— 0.48	+ 7.55	40 48 9.30	43.852	+ 48.2	67.7	12 19 24.12	+64.20	— I 57 4.5	. .
41	Sun II, S.	II	21 25.46	— 0.48	+ 7.55	41 20 3.42	44.035	+ 49.1	67.7	12 21 32.53	—64.21	— 2 29 4.9	. .
42	α Ursæ Minoris s. p.	8	22 48.75	+ 0.70	[+ 8.43]	307 38 8.02	47.072	— I 11.7	[67.9]	I 22 . .	. .		. .
43	α Bootis	II	10 55.20	— 0.42	+ 7.56	19 8 9.85	46.179	+ 19.3	67.6	14 11 . .	. .		. .
44	α ² Libræ	II	45 9.66	— 0.54	+ 7.39	54 26 9.62	49.218	+ I 17.6	68.3	14 45 . .	. .		. .
45	Venus I, N.	II	13 47.00	— 0.57	+ 7.51	60 44 10.38	46.081	+ I 38.8	67.7	15 13 53.94	+ 1.00	— 21 54 39.7	. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				/ "	/ "	"	/ "
25	21 44	29.815	67.4	66.2	2, 14, 33.	Bisections at II, III, IV, V, VI.	2	+48 25.9	+16 12.6	. .	+64 38.5
26	12 16	29.744	76.0	74.6	3, 6, 11, 23, 41.	Bisections at VI, VII.	5	+ 5.7	—15 59.9	. .	—15 54.2
	13 30	. . .	. . .	78.3	4.	Bisections at II, VI, VII.	6	+ 5.7	+15 59.9	. .	+16 5.6
	13 53	29.700	80.9	79.3	5, 22, 40.	Bisections at I, II.	11	+ 11.9	—13.4	. .	— 1.5
	14 14	. . .	. . .	79.8	7.	Bisections at C ₁ , C ₂ , C ₁ .	14	+44 43.1	+16 9.7	. .	+60 52.8
	14 44	29.650	80.6	79.8	10.	Bisections at I, II, VI.	21	+ 4.3	. .	+ 0.3	+ 4.6
	15 9	29.648	80.9	80.5	25.	Bisections at D ₃ , D ₂ , D ₁ .	22	+ 5.7	—15 58.8	. .	—15 53.1
	15 33	29.612	80.9	73.2	42.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	23	+ 5.8	+15 58.8	. .	+16 4.6
	21 35	. . .	. . .	73.0			27	+ 12.1	—13.5	. .	— 1.4
	22 4	29.616	72.6	72.0			33	+40 7.9	+16 4.3	. .	+56 12.2
	22 50	29.796	68.7	66.7			39	+ 4.3	. .	+ 0.3	+ 4.6
	10 0	29.796	70.2	68.2			40	+ 5.7	—16 0.1	. .	—15 54.4
	11 10	29.796	70.2	68.1			41	+ 5.8	+16 0.2	. .	+16 6.0
	11 22	29.796	71.2	69.0			45	+ 12.4	—13.7	. .	— 1.3
	12 18	29.796	71.6	69.7							
27	13 23	29.786	73.0	70.4							
	14 38	29.800	72.3	70.6							
	15 38	29.794	72.3	70.6							
	22 22	29.858	62.7	59.8							
	22 57	29.862	61.7	59.7							
	9	29.970	65.5	62.9							
	10 46	29.982	70.3	68.0							
	11 33	29.980	71.9	70.1							
28	12 21	29.970	73.0	71.9							
	13 32	29.942	74.8	73.3							
	14 14	29.934	75.4	73.9							
	15 19	29.912	75.5	73.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Serpentis	11	39 9.83	- 0.45	+ 7.56	32 6 11.02	45.111	+ 34.8	68.4	15 39 . .	. .		. .
2	ε Serpentis	11	45 39.18	- 0.46	+ 7.52	34 4 10.62	44.081	+ 37.5	68.9	15 45 . .	. .		. .
3	α Pegasi	11	59 38.11	- 0.48	+ 7.49	24 12 11.88	41.800	+ 25.6	66.6	22 59 . .	. .		. .
4	θ Piscium	11	22 45.11	- 0.50	+ 7.45	33 2 12.10	42.072	+ 37.0	67.5	23 22 . .	. .		. .
5	Moon I, N.	11	36 13.23	- 0.52	+ 7.49	36 24 6.70	46.767	+ 42.0	67.0	23 36 20.20	+ 66.15	+ 2 26 14.1	. .
6	Moon S.	11				36 56 10.60	46.577	+ 42.9	67.0			+ 1 53 58.2	. .
7	ω Piscium	11	54 1.90	- 0.50	+ 7.50	32 32 10.88	45.890	+ 36.4	67.4	23 54 . .	. .		. .
8	γ Pegasi	11	7 56.50	- 0.48	+ 7.48	24 14 10.90	43.080	+ 25.7	66.7	0 8 . .	. .		. .
9	ε Piscium	11	57 36.46	- 0.50	+ 7.52	31 30 12.05	44.245	+ 35.0	67.0	0 57 . .	. .		. .
10	α Urse Minoris . . .	8	22 51.98	- 0.95	[+ 6.99]	310 6 8.42	46.171	- 1 7.4	[67.2]	1 22 . .	. .		. .
September 28, L.													
11	ε Leonis	11	39 59.45	- 0.50	+ 7.50	14 36 4.98	47.329	+ 14.8	66.6	9 40 . .	. .		. .
12	α Leonis	11	2 51.91	- 0.52	+ 7.48	26 22 6.48	48.666	+ 28.0	67.5	10 2 . .	. .		. .
13	γ Leonis	11	14 16.53	- 0.51	+ 7.46	18 30 6.10	44.504	+ 18.9	66.4	10 14 . .	. .		. .
14	δ Leonis	11	8 36.35	- 0.50	+ 7.46	17 46 6.95	46.145	+ 18.0	66.8	11 8 . .	. .		. .
15	Mercury II, C. . . .	11	32 27.41	- 0.53	+ 7.45	33 52 6.88	46.825	+ 37.5	67.1	11 32 34.33	- 0.20	+ 4 58 10.0	. .
September 29, L.													
16	Sun I, N.	11	22 53.95	- 0.55	+ 7.43	41 10 4.48	48.332	+ 48.7	67.1	12 23 0.83	+ 64.30	- 2 20 26.7	. .
17	Sun II, S.	11	25 2.55	- 0.55	+ 7.43	41 42 4.35	48.165	+ 49.6	67.1	12 25 9.43	- 64.30	- 2 52 26.1	. .
18	α Urse Minoris s. p.	8	22 47.49	+ 3.84	[+ 6.84]	307 38 3.40	47.403	- 1 11.6	[69.3]	1 22 . .	. .		. .
19	η Bootis	11	49 44.67	- 0.51	+ 7.40	19 56 4.80	47.248	+ 20.2	67.7	13 49 . .	. .		. .
20	α Bootis	9	10 55.42	- 0.51	+ 7.43	19 8 4.60	46.448	+ 19.3	66.7	14 11 . .	. .		. .
21	ε Bootis	11	40 26.74	- 0.50	+ 7.40	11 20 4.52	48.384	+ 11.2	67.5	14 40 . .	. .		. .
22	β Libræ	11	11 26.73	- 0.57	+ 7.35	47 50 4.75	48.030	+ 1 1.1	67.6	15 11 . .	. .		. .
23	Venus I, N.	11	17 31.55	- 0.63	+ 7.38	61 4 5.68	43.544	+ 1 39.8	67.1	15 17 38.30	+ 1.01	- 22 13 47.9	. .
24	γ Pegasi	11	7 56.63	- 0.50	+ 7.37	24 14 8.02	43.226	+ 25.7	66.8	0 8 . .	. .		. .
25	12 Ceti	11	24 47.90	- 0.54	+ 7.20	43 22 7.95	42.564	+ 53.9	67.3	0 24 . .	. .		. .
26	Moon I, N.	11	28 8.85	- 0.52	+ 7.19	30 28 1.88	43.338	+ 33.6	67.1	0 28 15.52	+ 66.12	+ 8 23 25.8	. .
27	Moon II	11	30 21.07	- 0.52	+ 7.19	30 44 . .				0 30 27.74	- 66.12		. .
28	β Ceti	11	38 26.34	- 0.60	+ 7.06	57 22 3.72	45.766	+ 1 29.0	67.4	0 38 . .	. .		. .
29	ε Piscium	11	57 36.87	- 0.52	+ 7.14	31 30 3.88	44.686	+ 35.0	67.0	0 57 . .	. .		. .
30	α Urse Minoris . . .	8	23 1.36	- 4.11	[+ 1.07]	310 6 1.90	46.539	- 1 7.5	[68.0]	1 22 . .	. .		. .
September 29, K.													
31	α Leonis	11	2 51.89	- 0.43	+ 7.43	26 22 9.48	48.580	+ 28.1	68.8	10 2 . .	. .		. .
32	γ Leonis	11	14 16.48	- 0.42	+ 7.44	18 30 6.82	44.572	+ 18.9	68.3	10 14 . .	. .		. .
33	δ Leonis	11	8 36.28	- 0.42	+ 7.47	17 46 8.70	46.148	+ 18.0	68.5	11 8 . .	. .		. .
34	Mercury II, C. . . .	11	38 36.58	- 0.44	+ 7.43	34 30 4.38	44.376	+ 38.3	69.0	11 38 43.57	- 0.20	+ 4 21 0.6	. .
35	β Leonis	11	43 46.53	- 0.42	+ 7.42	23 42 7.30	47.200	+ 24.5	69.4	11 43 . .	. .		. .
September 30, K.													
36	Sun I, N.	11	26 30.65	- 0.46	+ 7.42	41 34 11.28	45.770	+ 49.3	69.3	12 26 37.61	+ 64.29	- 2 43 42.8	. .
37	Sun II, S.	11	28 39.24	- 0.46	+ 7.42	42 6 9.60	45.798	+ 50.2	69.3	12 28 46.20	- 64.30	- 3 15 44.4	. .
38	α Urse Minoris s. p.	8	22 48.75	+ 3.22	[+ 6.52]	307 38 3.98	47.404	- 1 11.5	[69.7]	1 22 . .	. .		. .
39	α Bootis	11	10 55.32	- 0.42	+ 7.43	19 8 7.15	46.462	+ 19.2	69.9	14 11 . .	. .		. .
40	ε Bootis	11	40 26.59	- 0.41	+ 7.46	11 20 4.18	48.555	+ 11.2	70.2	14 40 . .	. .		. .
41	α Libræ	11	45 9.67	- 0.49	+ 7.31	54 26 8.52	49.368	+ 1 17.2	69.8	14 45 . .	. .		. .
42	β Libræ	11	11 26.56	- 0.47	+ 7.41	47 50 3.25	48.232	+ 1 1.0	69.9	15 11 . .	. .		. .
43	Venus I, N.	11	21 14.77	- 0.52	+ 7.41	61 22 5.95	45.616	+ 1 40.9	70.1	15 21 21.66	+ 1.03	- 22 32 26.0	. .
44	ε Piscium	11	57 36.61	- 0.53	+ 7.42	31 30 7.40	44.536	+ 34.9	67.9	0 57 . .	. .		. .
45	Moon II, N.	11	22 40.17	- 0.52	+ 7.46	25 4 6.30	46.138	+ 26.7	68.3	1 22 47.11	- 66.64	+ 13 46 35.8	. .
46	α Urse Minoris . . .	4	22 52.65	- 3.56	[+ 9.58]	310 6 5.50	46.255	- 1 7.2	[68.6]	1 22 . .	. .		. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
28	15 50	29.911	75.6	74.4	5.	Bisections at I, II, III.	5	+ 34 31.6	- 15 54.7	0.0	+ 18 36.9
	22 53	29.935	63.5	61.2	6.	Bisections at V, VI, VII.	6	+ 34 58.1	+ 15 54.7	.	+ 50 52.8
	23 48	29.932	62.8	60.8	7.	Bisections at II, VI, VII.	15	+ 4.3	.	+ 0.3	+ 4.6
	1 8	29.934	62.0	60.0	10, 18, 30, 38.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	16	+ 5.8	- 15 59.6	.	- 15 53.8
	9 42	30.000	67.2	66.0	16, 36.	Bisections at I, II.	17	+ 5.9	+ 15 59.7	.	+ 16 5.6
	10 5	30.008	70.1	68.7	17, 37.	Bisections at VI, VII.	23	+ 12.6	- 13.9	.	- 1.3
	11 11		71.4	72.9	26, 45.	Bisections at II, III, IV, V, VI.	26	+ 29 10.0	- 15 47.0	.	+ 13 23.0
	11 36	30.006	74.0	73.8	29.	Bisections at I, II, VII.	34	+ 4.2	.	+ 0.2	+ 4.4
	12 25	30.000	74.6	74.9	46.	Bisections at B ₁ , B ₂ , B ₃ .	36	+ 5.8	- 16 0.7	.	- 15 54.9
	13 28	29.988	76.0	75.8			37	+ 5.9	+ 16 0.8	.	+ 16 6.7
	13 53		77.2	75.9			43	+ 12.8	- 14.0	.	- 1.2
	14 13	29.982	77.2	76.1			45	+ 24 4.7	- 15 36.0	.	+ 8 28.7
	14 43		76.1	76.1							
	15 14	29.974	77.1	76.1							
	0 0	29.950	64.3	61.2							
	0 36		60.6	60.6							
	1 18	29.986	63.0	60.1							
	10 14	30.014	69.2	67.0							
	11 11	30.028	73.5	71.0							
	11 45	30.026	75.6	73.9							
30	12 29	30.025	76.2	75.0							
	13 19	30.010	77.2	76.0							
	14 12	30.000	78.8	76.9							
	14 47	29.992	78.3	77.2							
	15 15	29.992	78.0	77.3							
	0 59	30.030	65.6	63.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	η Piscium	II	m s 25 59.14	s -0.51	+ 7.47	24 2 6.60	42.852	+ 25.4	68.3	1 26 . .	s . .	° ' " . .	° ' " . .
2	α Piscium	II	39 58.02	-0.52	+ 7.48	30 12 5.12	44.214	+ 33.2	68.6	1 40 . .	. .	. .	. .
September 30, B.													
3	ϵ Leonis	II	39 59.43	-0.52	+ 7.59	14 36 4.20	47.475	+ 14.8	68.3	9 40 . .	. .	. .	. .
4	μ Leonis	II	46 53.53	-0.52	+ 7.51	12 22 3.38	45.814	+ 12.5	69.1	9 47 . .	. .	. .	. .
5	α Leonis	II	2 51.96	-0.54	+ 7.49	26 22 3.60	48.938	+ 28.1	69.6	10 2 . .	. .	. .	. .
6	γ^1 Leonis	II	14 16.48	-0.52	+ 7.56	18 30 6.32	44.634	+ 18.9	68.6	10 14 . .	. .	. .	. .
7	Mercury C, C.	II	44 51.15	-0.56	+ 7.51	35 8 5.75	47.179	+ 39.4	69.4	11 44 58.10	-0.02	+ 3 42 4.7	. .
October 1, B.													
8	Sun I, S.	II	30 8.05	-0.58	+ 7.50	42 30 12.20	43.598	+ 51.0	69.4	12 30 14.97	+64.33	- 3 39 3.7	. .
9	Sun II, N.	9	32 16.71	-0.58	+ 7.50	41 58 12.85	43.420	+ 50.1	69.4	12 32 23.63	-64.33	- 3 7 1.8	. .
10	α Ursæ Minoris S. P.	3	22 46.00	+ 3.70	[+ 9.16]	307 38 13.20	46.990	- 1 11.7	[69.5]	1 22 . .	. .	. .	. .
11	η Bootis	II	49 44.61	-0.53	+ 7.48	19 56 5.95	47.348	+ 20.2	70.4	13 49 . .	. .	. .	. .
12	α Bootis	II	10 55.35	-0.52	+ 7.49	19 8 6.00	46.542	+ 19.3	70.2	14 11 . .	. .	. .	. .
October 5, S.													
13	β Tauri	II	19 48.16	-0.47	+ 7.60	10 20 9.00	44.475	+ 10.2	68.6	5 19 . .	. .	. .	. .
14	α Orionis	II	49 35.73	-0.51	+ 7.64	31 28 9.42	42.971	+ 34.3	68.6	5 49 . .	. .	. .	. .
15	Moon II, N.	II	55 20.44	-0.49	+ 7.63	14 8 8.90	43.096	+ 14.1	68.6	5 55 27.58	-67.84	+ 24 43 44.4	. .
16	ν Orionis	II	1 41.76	-0.49	+ 7.66	24 4 10.32	44.992	+ 25.1	68.6	6 1 . .	. .	. .	. .
17	μ Geminorum	II	16 44.44	-0.48	+ 7.62	16 16 8.75	48.492	+ 16.4	68.4	6 16 . .	. .	. .	. .
October 5, L.													
18	δ Leonis	II	8 36.28	-0.47	+ 7.61	17 46 10.40	46.025	+ 18.1	68.3	11 8 . .	. .	. .	. .
19	ν Leonis	9	31 38.72	-0.51	+ 7.53	39 6 . .	. .	. .	. .	11 31 . .	. .	. .	. .
20	β Leonis	II	43 46.49	-0.48	+ 7.59	23 42 10.35	47.058	+ 24.8	69.1	11 43 . .	. .	. .	. .
21	α Virginis	10	59 55.89	-0.49	+ 7.53	29 32 10.60	48.398	+ 32.0	69.1	12 0 . .	. .	. .	. .
22	Mercury C, C.	II	16 45.82	-0.51	+ 7.58	38 40 11.12	48.580	+ 45.1	68.8	12 16 52.89	-0.01	+ 0 9 26.2	. .
October 6, L.													
23	Sun I, S.	II	48 18.97	-0.53	+ 7.58	44 25 55.68	43.748	+ 55.1	68.8	12 48 26.02	+64.62	- 5 34 54.7	. .
24	Sun II, N.	II	50 28.20	-0.53	+ 7.58	43 54 3.68	43.058	+ 54.1	68.8	12 50 35.25	-64.61	- 5 2 50.3	. .
25	α Ursæ Minoris S. P.	8	22 49.34	+ 3.45	[+ 7.99]	307 38 2.08	47.672	- 1 12.4	[70.0]	1 23 . .	. .	. .	. .
26	η Bootis	II	49 44.39	-0.48	+ 7.64	19 56 3.95	47.391	+ 20.4	68.7	13 49 . .	. .	. .	. .
27	α Bootis	II	10 55.15	-0.47	+ 7.62	19 8 3.18	46.630	+ 19.5	68.4	14 11 . .	. .	. .	. .
28	β Libræ	10	11 26.42	-0.54	+ 7.57	47 50 4.40	48.054	+ 1 2.0	68.8	15 11 . .	. .	. .	. .
29	Venus I, N.	II	43 2.77	-0.60	+ 7.60	63 4 5.22	45.075	+ 1 50.2	68.8	15 43 9.77	+ 1.13	- 24 14 25.5	. .
30	ϵ Serpentis	II	45 39.04	-0.50	+ 7.62	34 4 8.58	44.208	+ 38.0	69.3	15 45 . .	. .	. .	. .
31	ω Piscium	II	34 39.65	-0.48	+ 7.55	33 46 7.25	44.485	+ 38.4	67.3	23 34 . .	. .	. .	. .
32	ι Piscium	II	54 1.80	-0.47	+ 7.59	32 32 6.92	46.069	+ 36.7	67.1	23 54 . .	. .	. .	. .
33	α Andromedæ	II	3 4.35	-0.42	+ 7.56	10 20 6.32	41.990	+ 10.5	66.2	0 3 . .	. .	. .	. .
34	ϵ Piscium	II	57 36.67	-0.47	+ 7.35	31 30 7.25	44.448	+ 35.4	66.9	0 57 . .	. .	. .	. .
35	α Ursæ Minoris	8	22 54.35	-2.09	[+ 8.66]	310 6 5.10	46.323	- 1 8.2	[68.8]	1 23 . .	. .	. .	. .
36	μ Geminorum	II	16 44.52	-0.45	+ 7.54	16 16 6.32	48.465	+ 17.0	66.1	6 16 . .	. .	. .	. .
37	γ^1 Geminorum	II	31 45.98	-0.47	+ 7.62	22 22 7.32	44.232	+ 23.9	66.8	6 31 . .	. .	. .	. .
38	Moon II, S.	II	48 39.48	-0.46	+ 7.65	16 10 6.72	43.677	+ 16.9	66.3	6 48 46.67	-66.81	+ 22 41 30.3	. .
39	δ Geminorum	II	13 58.48	-0.45	+ 7.74	16 40 6.35	47.921	+ 17.4	65.9	7 14 . .	. .	. .	. .
40	α^2 Geminorum	II	28 2.30	-0.42	+ 7.71	6 44 6.05	47.092	+ 6.9	66.5	7 28 . .	. .	. .	. .
October 6, K.													
41	γ^1 Leonis	II	14 16.22	-0.42	+ 7.85	18 30 6.02	44.572	+ 19.2	66.6	10 14 . .	. .	. .	. .
42	δ Leonis	II	8 35.99	-0.42	+ 7.87	17 46 6.15	46.300	+ 18.3	68.0	11 8 . .	. .	. .	. .
43	β Leonis	II	43 46.24	-0.44	+ 7.81	23 42 7.95	47.125	+ 25.0	68.0	11 43 . .	. .	. .	. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	' "	' "
30	1 37	30.030	64.5	62.4	8, 23.	Bisections at I, II.	7	+ 4.2	. .	+ 0.2	+ 4.4
	9 35	30.104	68.8	65.9	9, 18, 24.	Bisections at VI, VII.	8	+ 6.0	+16 0.9	. .	+16 6.9
	10 23	30.110	71.2	68.6	10.	Bisections at B ₂ , C ₁ , C ₂ .	9	+ 5.9	-16 0.9	. .	-15 55.0
	11 51	30.104	74.4	72.9	15, 38.	Bisections at II, III, IV, V, VI.	15	+13 8.7	-14 51.1	. .	- 1 42.4
	12 32	30.096	76.0	74.9	25, 35.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	22	+ 4.3	. .	+ 0.1	+ 4.4
	13 35	30.090	76.8	76.2			23	+ 6.2	+16 2.1	. .	+16 8.3
	14 50	30.086	78.0	75.9			24	+ 6.1	-16 2.2	. .	-15 56.1
5	5 25	29.880	71.1	69.8			29	+ 14.0	- 15.2	. .	- 1.2
	6 21	29.899	70.0	68.3			38	+14 58.3	+14 48.8	. .	+29 47.1
	11 11	30.050	71.0	67.9							
	11 45			67.8							
	12 2	30.052	71.0	68.1							
	12 20			69.2							
6	12 50	30.054	71.5	69.5							
	13 28			70.2							
	13 50	30.054	72.2	70.0							
	14 11			70.0							
	15 11			70.0							
	15 46	30.068	72.1	70.2							
	23 30	30.118	63.0	59.7							
	0 10			58.6							
	1 19	30.116	60.0	56.9							
	6 11	30.128	59.0	54.9							
	7 24	30.132	58.0	54.6							
	10 16	30.164	66.3	63.0							
	11 10	30.160	68.5	65.0							
	11 45	30.158	69.5	66.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
	October 7, K.		m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	Sun I, N.	11	51 57.96	- 0.50	+ 7.82	44 16 10.48	45.768	+ 55.1	68.0	12 52 5.28	+64.70	- 5 25 49.0	. .
2	Sun II, S.	11	54 7.37	- 0.50	+ 7.82	44 48 6.88	46.002	+ 56.2	68.0	12 54 14.69	-64.71	- 5 57 52.8	. .
3	α Ursæ Minoris S. P.	8	22 51.72	+ 0.69	[+ 8.63]	307 38 8.08	47.300	- 1 12.7	[68.0]	1 23 . .	. .	. .	. .
4	η Bootis	11	49 44.10	- 0.43	+ 7.88	19 56 6.15	47.282	+ 20.5	68.7	13 49 . .	. .	. .	. .
5	α Bootis	11	10 54.83	- 0.42	+ 7.89	19 8 6.28	46.478	+ 19.6	68.5	14 11 . .	. .	. .	. .
6	Venus I, N.	11	46 34.35	- 0.59	+ 7.80	63 18 4.55	49.001	+ 51.3	68.0	15 46 41.56	+ 1.14	- 24 29 42.0	. .
7	δ Scorpii	8	54 13.78	- 0.57	+ 7.65	61 10 10.75	44.110	+ 41.6	68.3	15 54 . .	. .	. .	. .
	October 9, L.												
8	γ Leonis	4	14 16.47	- 0.44	+ 7.68	18 30 . .	. .	. .	. .	10 14 . .	. .	. .	. .
9	δ Leonis	5	8 36.18	- 0.44	+ 7.75	17 46 . .	. .	. .	. .	11 8 . .	. .	. .	. .
10	Mercury C, C.	11	42 22.19	- 0.51	+ 7.67	41 42 4.95	43.424	+ 50.2	66.4	12 42 29.35	0.00	- 2 50 56.2	. .
	October 10, L.												
11	Sun I, N.	11	2 59.01	- 0.52	+ 7.66	45 24 6.68	47.455	+ 57.1	66.4	13 3 6.15	+64.87	- 6 34 21.1	. .
12	Sun II, S.	11	5 8.75	- 0.52	+ 7.66	45 56 6.52	47.622	+ 58.2	66.4	13 5 15.89	-64.87	- 7 6 27.1	. .
13	α Ursæ Minoris S. P.	4	22 51.48	+ 1.25	[+ 8.71]	307 37 55.40	48.016	- 1 12.5	[68.1]	1 23 . .	. .	. .	. .
14	η Bootis	9	49 44.33	- 0.44	+ 7.65	19 56 5.72	47.195	+ 20.4	66.0	13 49 . .	. .	. .	. .
15	α Bootis	11	10 55.11	- 0.44	+ 7.63	19 8 5.40	46.441	+ 19.5	66.3	14 11 . .	. .	. .	. .
16	ρ Bootis	11	27 20.34	- 0.42	+ 7.66	8 2 4.50	45.835	+ 8.0	66.6	14 27 . .	. .	. .	. .
17	ε Bootis	11	40 26.36	- 0.43	+ 7.62	11 20 3.70	48.454	+ 11.3	65.9	14 40 . .	. .	. .	. .
18	α Serpentis	11	39 9.66	- 0.48	+ 7.62	32 6 4.95	45.362	+ 35.1	66.6	15 39 . .	. .	. .	. .
19	δ Scorpii	11	54 13.85	- 0.59	+ 7.57	61 10 4.92	44.405	+ 41.5	67.3	15 54 . .	. .	. .	. .
20	Venus I, N.	11	56 56.35	- 0.61	+ 7.60	64 2 4.48	45.029	+ 54.7	66.4	15 57 3.34	+ 1.20	- 25 12 30.8	. .
	October 10, Br.												
21	Moon II	11	5 45.34	- 0.44	+ 7.54	31 30 . .	. .	. .	. .	10 5 52.44	-63.16	. .	. .
22	γ Leonis	11	14 16.60	- 0.40	+ 7.54	18 30 4.88	44.625	+ 19.0	67.0	10 14 . .	. .	. .	. .
23	Mercury C, C.	11	48 43.65	- 0.47	+ 7.55	42 26 4.35	47.806	+ 50.7	68.0	12 48 50.73	0.00	- 3 36 18.5	. .
	October 11, Br.												
24	Sun I, S.	11	6 40.25	- 0.48	+ 7.55	46 18 5.70	49.888	+ 58.0	68.0	13 6 47.32	+64.91	- 7 29 6.1	. .
25	Sun II, N.	11	8 50.07	- 0.48	+ 7.55	45 46 11.15	49.298	+ 56.9	68.0	13 8 57.14	-64.91	- 6 57 1.0	. .
26	α Bootis	11	10 55.14	- 0.40	+ 7.56	19 8 5.22	46.589	+ 19.2	68.5	14 11 . .	. .	. .	. .
27	ε Bootis	11	40 26.39	- 0.38	+ 7.54	11 20 3.98	48.578	+ 11.1	68.4	14 40 . .	. .	. .	. .
28	Venus I, N.	7	0 18.64	- 0.57	+ 7.55	64 14 4.08	49.068	+ 53.2	68.0	16 0 25.62	+ 1.22	- 25 25 43.6	. .
	October 11, S.												
29	γ Leonis	11	14 16.55	- 0.45	+ 7.67	18 30 10.02	44.452	+ 18.9	67.1	10 14 . .	. .	. .	. .
30	Moon II	11	53 11.87	- 0.52	+ 7.61	36 56 . .	. .	. .	. .	10 53 18.96	-63.36	. .	. .
31	β Leonis	11	43 46.59	- 0.46	+ 7.55	23 42 11.90	46.978	+ 24.7	68.0	11 43 . .	. .	. .	. .
32	Mercury C, C.	11	55 4.13	- 0.53	+ 7.59	43 12 4.70	45.388	+ 52.6	67.8	12 55 11.19	0.00	- 4 21 34.6	. .
	October 12, S.												
33	Sun I, N.	11	10 22.06	- 0.55	+ 7.59	46 10 4.80	45.225	+ 58.3	67.8	13 10 29.10	+64.94	- 7 19 36.3	. .
34	Sun II, S.	11	12 31.94	- 0.55	+ 7.59	46 42 5.22	45.265	+ 59.4	67.8	13 12 38.98	-64.94	- 7 51 40.4	. .
35	α Ursæ Minoris S. P.	8	22 53.59	- 0.39	[+ 8.37]	307 38 11.35	47.162	- 1 12.2	[67.3]	1 23 . .	. .	. .	. .
36	α Coronæ Borealis	11	30 16.55	- 0.43	+ 7.65	11 48 8.80	44.200	+ 11.7	67.5	15 30 . .	. .	. .	. .
37	α Serpentis	11	39 9.73	- 0.49	+ 7.55	32 6 10.05	45.176	+ 35.0	67.9	15 39 . .	. .	. .	. .
38	Venus I, N.	11	3 38.24	- 0.65	+ 7.57	64 28 10.40	44.504	+ 56.4	67.8	16 3 45.16	+ 1.24	- 25 38 26.9	. .
39	δ Ophiuchi	11	8 55.45	- 0.53	+ 7.54	42 16 10.45	46.521	+ 50.8	68.6	16 9 . .	. .	. .	. .
40	α Scorpii	11	23 5.24	- 0.65	+ 7.53	65 2 10.62	44.521	+ 59.5	68.0	16 23 . .	. .	. .	. .
41	ε Piscium	11	57 36.54	- 0.48	+ 7.52	31 30 11.12	44.184	+ 35.4	66.0	0 57 . .	. .	. .	. .
42	β Andromedæ	11	3 58.98	- 0.39	+ 7.64	3 46 4.80	45.159	+ 3.9	66.0	1 4 . .	. .	. .	. .
43	α Ursæ Minoris	8	22 52.71	+ 0.77	[+ 8.14]	310 6 8.95	45.869	- 1 8.1	[66.4]	1 23 . .	. .	. .	. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
7	12	55	30.150	70.8	67.9	1, 11, 19, 24, 28, 33.	Bisections at I, II.	1	+ 6.2	-16 1.9	.	-15 55.7
	13	20	30.138	71.2	69.3	2, 12, 22, 25, 34.	Bisections at VI, VII.	2	+ 6.2	+16 1.9	.	+16 8.1
	13	51	30.130	71.7	69.5			6	+ 14.3	- 15.4	.	- 1.1
	14	12	30.130	73.0	70.1	3, 35, 43.	Bisections at C ₁₁ , C ₂ , C ₃ , C ₄ , C ₅ .	10	+ 4.4	. .	0.0	+ 4.4
	15	48	30.100	73.0	71.1	7.	Bisections at I, II, VII.	11	+ 6.3	-16 2.9	.	-15 56.6
9	12	47	30.116	70.7	69.0	13.	Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	12	+ 6.4	+16 3.0	.	+16 9.4
10	13	5	30.112	71.0	69.7	16.	Bisections at II, VI, VII.	20	+ 15.0	- 16.1	.	- 1.1
	13	52	30.092	72.2	70.9			23	+ 4.4	. .	0.0	+ 4.4
	14	13	. .	. .	71.3			24	+ 6.4	+16 2.5	.	+16 8.9
	14	28	. .	. .	71.9			25	+ 6.3	-16 2.5	.	-15 56.2
	14	42	30.086	73.5	71.7			23	+ 4.4	. .	0.0	+ 4.4
	15	39	30.072	73.2	72.2			32	+ 4.4	. .	0.0	+ 4.4
	15	58	30.070	73.1	71.3			33	+ 6.4	-16 2.0	.	-15 55.6
	9	56	29.998	63.7	63.0			34	+ 6.4	+16 2.1	.	+16 8.5
	10	29	29.994	66.8	65.1			38	+ 15.5	- 16.6	.	- 1.1
	12	42	29.870	74.5	73.1							
11	13	9	29.856	74.4	74.1							
	14	17	29.808	76.7	75.9							
	14	43	29.798	77.5	75.9							
	15	49	29.774	77.8	77.4							
	16	41	29.740	78.0	77.1							
	10	20	29.687	68.5	61.1							
	11	28	29.700	68.0	62.8							
12	13	13	29.682	66.8	65.1							
	15	33	29.663	68.5	66.9							
	16	28	29.663	67.9	66.1							
	0	45	29.742	55.0	51.6							
	1	30	29.753	54.5	52.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
October 12, I.													
1	δ Leonis	11	m s 8 36.55	- 0.32	+ 7.32	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	β Leonis	11	43 46.78	- 0.34	+ 7.26	17 46 6.00	46.235	+ 18.4	65.4	11 8 . . .	. . .	. . .	. . .
3	α Canum Venat. . .	10	51 10.04	- 0.25	+ 7.27	23 42 6.55	47.141	+ 25.1	66.0	11 43 . . .	. . .	. . .	. . .
4	Mercury C. C. . . .	11	1 23.30	- 0.42	+ 7.25	359 58 5.28	49.712	+ 0.1	65.2	12 51 . . .	. . .	. . .	. . .
October 13, I.													
5	Sun I, S.	11	14 4.52	- 0.43	+ 7.24	43 56 7.02	48.288	+ 54.7	65.6	13 1 30.13	0.00	5 6 36.8	. . .
6	Sun II, N.	11	16 14.87	- 0.43	+ 7.24								
7	α Ursæ Minoris S. P.	8	22 57.91	- 3.08	[+ 6.84]								
8	α Bootis	11	10 55.46	- 0.32	+ 7.16	47 4 4.50	46.820	+ 1 1.0	65.6	13 14 11.33	+65.17	8 14 11.5	. . .
9	ϵ Bootis	11	40 26.56	- 0.29	+ 7.27	46 32 4.75	46.280	+ 59.9	65.6	13 16 21.68	-65.18	7 42 2.1	. . .
10	δ Scorpil	11	54 14.16	- 0.51	+ 7.15	307 38 1.32	47.803	- 1 13.1	[68.2]	1 23 . . .	. . .	. . .	. . .
11	Venus I, N.	11	6 55.05	- 0.53	+ 7.17	19 8 5.68	46.418	+ 19.6	65.7	14 11 . . .	. . .	. . .	. . .
12	α Scorpil	11	23 5.54	- 0.53	+ 7.10	11 20 5.00	48.382	+ 11.4	65.4	14 40 . . .	. . .	. . .	. . .
13	ϵ Piscium	11	57 36.90	- 0.45	+ 7.14	61 10 6.12	44.145	+ 1 41.8	66.0	15 54 . . .	. . .	. . .	. . .
14	β Andromedæ . . .	11	3 59.50	- 0.38	+ 7.12	64 40 5.00	45.126	+ 1 58.2	65.6	16 7 1.69	+ 1.26	25 50 37.4	. . .
15	α Ursæ Minoris . .	8	22 55.59	- 0.83	[+ 6.97]	65 2 5.85	44.606	+ 2 0.2	65.7	16 23 . . .	. . .	. . .	. . .
October 14, B.													
16	γ Leonis	11	14 17.12	- 0.36	+ 7.08	31 30 8.92	44.298	+ 35.1	65.7	0 57 . . .	. . .	. . .	. . .
17	ρ Leonis	11	27 22.55	- 0.41	+ 6.98	3 46 7.10	44.996	+ 3.8	65.3	1 4 . . .	. . .	. . .	. . .
18	δ Leonis	11	8 36.94	- 0.36	+ 7.01	310 6 5.92	46.021	- 1 7.7	[67.1]	1 23 . . .	. . .	. . .	. . .
19	β Leonis	4	43 47.06	- 0.38	+ 7.05								
October 15, B.													
20	Sun I, N.	11	21 31.03	- 0.50	+ 6.93	47 16 4.28	48.152	+ 1 2.1	65.6	13 21 37.46	+65.26	8 26 37.9	. . .
21	Sun II, S.	11	23 41.54	- 0.50	+ 6.93	47 48 3.90	48.458	+ 1 3.2	65.6	13 23 47.97	-65.25	8 58 46.3	. . .
22	α Libræ	7	45 10.10	- 0.54	+ 6.86	54 26 . . .	. . .	. . .	. . .	14 45 . . .	. . .	. . .	. . .
23	ϵ Coronæ Borealis .	11	53 16.95	- 0.33	+ 6.84	11 40 8.95	47.333	+ 11.9	65.5	15 53 . . .	. . .	. . .	. . .
24	β Scorpil	11	59 26.75	- 0.57	+ 6.81	58 22 4.10	43.726	+ 1 32.9	66.1	15 59 . . .	. . .	. . .	. . .
25	δ Ophiuchi	11	8 56.06	- 0.47	+ 6.85	42 16 4.80	46.631	+ 52.2	66.3	16 9 . . .	. . .	. . .	. . .
26	Venus I, C.	11	13 18.94	- 0.62	+ 6.82	65 2 3.42	48.115	+ 2 3.0	65.6	16 13 25.14	+ 1.30	26 13 38.0	. . .
27	α Scorpil	11	23 5.89	- 0.62	+ 6.82	65 2 4.38	44.484	+ 2 2.9	64.7	16 23 . . .	. . .	. . .	. . .
October 16, K.													
28	δ Leonis	11	8 37.65	- 0.31	+ 6.29	17 46 5.00	46.255	+ 18.8	64.4	11 8 . . .	. . .	. . .	. . .
29	β Leonis	11	43 47.82	- 0.33	+ 6.27	23 42 5.55	47.152	+ 25.7	65.1	11 43 . . .	. . .	. . .	. . .
30	α Canum Venat. . .	11	51 11.06	- 0.24	+ 6.28	359 58 9.00	49.520	+ 0.1	64.0	12 51 . . .	. . .	. . .	. . .
31	α Ursæ Minoris S. P.	5	23 1.40	- 3.06	[+ 4.06]	307 38 8.40	47.452	- 1 14.5	[65.8]	1 23 . . .	. . .	. . .	. . .
October 17, K.													
32	Sun I, N.	11	29 0.02	- 0.43	+ 6.22	48 0 1.82	48.338	+ 1 4.2	65.1	13 29 5.81	+65.47	9 10 41.6	. . .
33	Sun II, S.	11	31 10.95	- 0.43	+ 6.22	48 32 2.85	48.635	+ 1 5.4	65.1	13 31 16.74	-65.46	9 42 51.4	. . .
34	δ Scorpil	7	54 15.10	- 0.50	+ 6.18	61 10 2.90	44.250	+ 1 43.8	66.4	15 54 . . .	. . .	. . .	. . .
35	β Scorpil	11	59 27.35	- 0.48	+ 6.10	58 22 2.25	43.779	+ 1 32.8	65.2	15 59 . . .	. . .	. . .	. . .
36	δ Ophiuchi	11	8 56.65	- 0.40	+ 6.17	42 16 5.42	46.621	+ 52.1	66.6	16 9 . . .	. . .	. . .	. . .
37	Venus I, N.	11	19 28.90	- 0.52	+ 6.12	65 22 5.25	49.074	+ 2 4.5	66.1	16 19 34.50	+ 1.35	26 33 59.2	. . .
38	α Scorpil	11	23 6.54	- 0.52	+ 6.05	65 2 4.40	44.554	+ 2 2.5	65.8	16 23 . . .	. . .	. . .	. . .
October 18, S.													
39	δ Leonis	11	8 38.25	- 0.40	+ 5.83	17 46 10.62	46.032	+ 18.5	65.0	11 8 . . .	. . .	. . .	. . .
40	β Leonis	11	43 48.58	- 0.42	+ 5.64	23 42 12.15	46.846	+ 25.2	65.0	11 43 . . .	. . .	. . .	. . .
41	α Canum Venat. . .	11	51 11.85	- 0.34	+ 5.61	359 58 10.25	49.508	+ 0.1	64.4	12 51 . . .	. . .	. . .	. . .
42	α Ursæ Minoris S. P.	8	22 58.80	- 2.44	[+ 6.42]	307 38 9.22	47.398	- 1 13.6	[65.7]	1 23 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
12 11 11	29.820	59.9	56.2	5, 18, 20, 32.	Bisections at I, II.	4	+ 4.4	. . .	0.0	+ 4.4
11 47	. . .	. . .	57.5	6, 21, 33.	Bisections at VI, VII.	5	+ 6.5	+16 4.6	. . .	+16 11.1
12 55	29.810	63.0	60.3	7, 15, 31, 42.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	6	+ 6.4	-16 4.7	. . .	-15 58.3
13 13 16	29.798	63.5	60.7	10, 16, 23.	Bisections at II, VI, VII.	11	+ 15.7	-16.8	. . .	- 1.1
14 14	. . .	. . .	62.9			20	+ 6.5	-16 4.1	. . .	-15 57.6
14 40	. . .	. . .	63.1			21	+ 6.6	+16 4.2	. . .	+16 10.8
15 56	. . .	. . .	64.9			26	+ 16.2	. . .	- 2.4	+ 13.8
16 12	29.752	66.0	64.5			32	+ 6.6	-16 4.9	. . .	-15 58.3
16 25	. . .	. . .	64.3			33	+ 6.6	+16 4.9	. . .	+16 11.5
1 0	29.730	. . .	54.8			37	+ 16.8	- 17.8	. . .	- 1.0
1 27	29.728	. . .	54.2							
14 10 17	29.760	52.3	50.9							
11 20	29.788	55.3	52.7							
13 24	29.796	57.8	55.5							
14 40	29.802	58.3	56.7							
15 57	29.800	57.2	54.9							
16 29	29.812	56.2	54.5							
11 10	30.038	52.6	49.3							
11 46	30.030	54.2	50.9							
12 53	30.018	56.5	53.8							
13 31	29.996	57.8	55.0							
15 55	29.956	60.5	58.3							
16 25	29.946	60.2	58.6							
18 11 12	29.781	55.5	53.9							
12 25	29.819	58.8	56.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	October 19, S.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, N.	11	36 31.60	- 0.52	+ 5.61	48 44 8.32	46.702	+ 1 5.0	65.3	13 36 36.69	+65.55	- 9 54 17.3	. .
2	Sun II, S.	11	38 42.70	- 0.52	+ 5.61	49 16 3.52	47.300	+ 1 6.2	65.3	13 38 47.79	-65.55	- 10 26 27.0	. .
3	α Serpentis	11	39 17.69	- 0.44	+ 5.49	32 6 11.28	45.045	+ 35.6	66.5	15 39 . . .	. .		. .
4	δ Scorpii	11	54 15.91	- 0.58	+ 5.43	61 10 10.45	43.966	+ 1 42.6	67.4	15 54 . . .	. .		. .
5	α Scorpii	11	23 7.22	- 0.61	+ 5.45	65 2 10.10	44.308	+ 2 1.2	65.6	16 23 . . .	. .		. .
6	Venus I, N.	11	25 22.86	- 0.61	+ 5.48	65 42 10.02	43.906	+ 2 4.9	66.1	16 25 27.73	+ 1.39	- 26 52 25.2	. .
7	ζ Ophiuchi	11	31 30.22	- 0.52	+ 5.45	49 12 10.75	44.720	+ 1 5.6	65.5	16 31 . . .	. .		. .
8	Moon I.	11	29 26.02	- 0.62	+ 5.46	64 35 . . .	. . .	. . .	. . .	17 29 30.86	+74.78		. .
9	μ Herculis	11	42 24.60	- 0.37	+ 5.60	11 4 10.52	45.389	+ 11.1	65.5	17 42 . . .	. .		. .
10	β Andromedæ	11	4 1.54	- 0.32	+ 5.05	3 46 10.78	44.746	+ 3.9	65.5	1 4 . . .	. .		. .
11	α Ursæ Minoris	8	23 1.19	- 1.20	+ 2.86	310 6 7.82	45.721	- 1 8.6	[64.6]	1 23 . . .	. .		. .
12	ι Orionis	11	58 44.29	- 0.35	+ 5.19	23 34 11.75	47.901	+ 25.5	65.6	4 58 . . .	. .		. .
13	β Tauri	11	19 50.88	- 0.33	+ 5.17	10 20 11.50	44.139	+ 10.7	65.6	5 19 . . .	. .		. .
14	Neptune C, C.	11	36 50.80	- 0.34	+ 5.17	16 50 11.28	46.775	+ 17.8	65.2	5 36 55.63	. .	+ 22 0 24.2	. .
15	α Orionis	11	49 38.47	- 0.37	+ 5.16	31 28 11.85	42.566	+ 35.9	64.1	5 49 . . .	. .		. .
16	ν Orionis	11	1 44.55	- 0.35	+ 5.16	24 4 11.15	44.731	+ 26.2	65.0	6 1 . . .	. .		. .
	October 19, L.												
17	δ Leonis	11	8 38.84	- 0.32	+ 5.18	17 46 4.92	46.332	+ 18.6	65.0	11 8 . . .	. .		. .
18	β Leonis	11	43 49.05	- 0.34	+ 5.11	23 42 7.00	47.100	+ 25.3	64.6	11 43 . . .	. .		. .
19	α Canum Venat.	11	51 12.28	- 0.29	+ 5.14	359 58 3.40	49.876	+ 0.1	64.3	12 51 . . .	. .		. .
20	α Ursæ Minoris S. P.	8	23 0.30	- 0.25	+ 2.84	307 38 2.78	47.849	- 1 13.4	[67.7]	1 23 . . .	. .		. .
	October 20, L.												
21	Sun I, N.	11	40 18.31	- 0.41	+ 5.08	49 6 5.50	45.382	+ 1 5.5	65.1	13 40 22.98	+65.77	- 10 15 49.9	. .
22	Sun II, S.	11	42 29.85	- 0.41	+ 5.08	49 38 5.00	45.810	+ 1 6.8	65.1	13 42 34.52	-65.77	- 10 48 0.8	. .
23	α Serpentis	11	39 12.03	- 0.36	+ 5.07	32 6 6.90	45.258	+ 35.4	65.9	15 39 . . .	. .		. .
24	β Scorpii	11	59 28.51	- 0.45	+ 4.89	58 22 5.98	43.755	+ 1 31.3	67.1	15 59 . . .	. .		. .
25	α Scorpii	11	23 7.60	- 0.48	+ 4.93	65 2 5.95	44.580	+ 2 0.5	66.0	16 23 . . .	. .		. .
26	Venus I, N.	11	28 13.42	- 0.49	+ 4.97	65 50 5.72	45.410	+ 2 5.0	65.9	16 28 17.90	+ 1.42	27 0 50.1	. .
27	γ Sagittarii	11	59 14.47	- 0.51	+ 4.90	69 14 4.68	46.620	+ 2 28.1	65.8	17 59 . . .	. .		. .
28	ι Aquilæ	11	29 37.97	- 0.40	+ 4.98	47 8 5.88	48.710	+ 1 1.0	65.4	18 29 . . .	. .		. .
29	Moon I, S.	11	34 23.23	- 0.48	+ 4.97	63 28 10.38	47.222	+ 1 53.1	66.0	18 34 27.72	+73.86	- 24 39 17.5	. .
30	ε Piscium	11	57 38.99	- 0.46	+ 5.08	31 30 7.10	44.352	+ 35.5	65.5	0 57 . . .	. .		. .
31	α Ursæ Minoris	8	23 1.19	+ 0.63	+ 1.09	310 6 3.62	46.008	- 1 8.5	[66.3]	1 23 . . .	. .		. .
32	β Tauri	11	19 51.05	- 0.40	+ 5.10	10 20 4.28	44.464	+ 10.6	64.5	5 19 . . .	. .		. .
33	δ Orionis	11	26 47.41	- 0.48	+ 5.00	39 12 5.75	47.640	+ 47.4	65.5	5 26 . . .	. .		. .
34	Neptune C, C.	11	36 47.71	- 0.42	+ 5.07	16 50 4.70	47.298	+ 17.6	64.8	5 36 52.36	. .	+ 22 0 20.5	. .
35	α Orionis	11	49 38.66	- 0.46	+ 5.09	31 28 5.42	42.955	+ 35.6	64.8	5 49 . . .	. .		. .
36	ν Orionis	11	1 44.74	- 0.44	+ 5.09	24 4 5.58	44.979	+ 26.0	63.9	6 1 . . .	. .		. .
	October 21, Br.												
37	α Virginis	11	19 46.61	- 0.40	+ 5.14	49 28 5.02	45.918	+ 1 5.7	67.8	13 19 . . .	. .		. .
	October 22, Br.												
38	Sun I, N.	11	47 52.77	- 0.40	+ 5.09	49 48 1.55	47.372	+ 1 6.5	66.8	13 47 57.46	+65.90	- 10 58 23.4	. .
39	Sun II, S.	11	50 4.56	- 0.40	+ 5.09	50 20 0.82	48.010	+ 1 7.8	66.8	13 50 9.25	-65.89	- 11 30 38.0	. .
40	ε Bootis	11	40 28.74	- 0.27	+ 5.04	11 20 4.18	48.586	+ 11.4	66.5	14 40 . . .	. .		. .
41	β Bootis	11	58 2.35	- 0.22	+ 5.09	358 4 3.72	44.968	+ 1.8	65.8	14 58 . . .	. .		. .
42	α Coronæ Borealis	11	30 18.85	- 0.27	+ 5.12	11 48 4.65	44.479	+ 11.8	66.8	15 30 . . .	. .		. .
43	α Serpentis	9	39 11.96	- 0.33	+ 5.10	32 6 4.98	45.408	+ 35.5	67.0	15 39 . . .	. .		. .
44	α Scorpii	2	23 7.48	- 0.47	+ 5.03	65 2 4.98	44.668	+ 2 1.6	66.5	16 23 . . .	. .		. .
45	ζ Ophiuchi	11	31 30.42	- 0.40	+ 5.10	49 12 . . .	. . .	. . .	. . .	16 31 . . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sun.	
d h m	in.	°	°						' "	' "	"	' "	"
19 13 39	29.816	59.8	58.7	I, 21, 38, 44. Bisections at I, II.				1	+	6.7	-16 4.8	. .	-15 58.1
15 42	29.820	63.2	61.9	2, 22, 39, 41. Bisections at VI, VII.				2	+	6.7	+16 4.9	. .	+16 11.6
16 35	29.816	63.0	61.5	11, 20, 31. Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .				6	+	17.4	-18.4	. .	-1.0
17 46	29.827	62.5	61.5	29. Bisections at II, III, IV, V, VI.				14	+	0.1	. .	. .	+ 0.1
1 6	29.907	52.6	51.0	43. Bisections at II, VII.				21	+	6.7	-16 5.4	. .	-15 58.7
4 50	29.915	50.0	48.6					22	+	6.8	+16 5.4	. .	+16 12.2
5 56	29.919	48.9	46.8					26	+	17.7	-18.7	. .	-1.0
11 11	30.026	57.1	54.2					29	+	53 2.2	+16 12.8	. .	+69 15.0
11 46	. . .	. . .	56.9					34	+	0.1	. .	. .	+ 0.1
12 54	. . .	. . .	61.7					38	+	6.8	16 7.3	. .	-16 0.5
13 15	30.030	63.7	63.0					39	+	6.8	+16 7.3	. .	+16 14.1
20 13 42	30.014	64.8	63.9										
15 41	29.990	67.9	66.8										
16 2	. . .	. . .	67.2										
16 25	29.990	68.1	67.4										
18 2	29.986	68.4	65.9										
18 38	29.972	65.8	64.2										
0 59	29.946	55.7	53.4										
1 28	. . .	. . .	52.3										
5 18	29.874	52.8	50.9										
5 55	29.872	52.5	50.2										
21 13 14	29.316	59.5	57.3										
22 13 50	29.320	58.8	57.3										
14 41	29.334	58.5	56.9										
15 30	. . .	. . .	55.9										
15 42	29.360	57.5	54.6										
16 23	29.386	56.7	52.9										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus I, N.	II	33 38.85	- 0.48	+ 5.10	66 3 59.62	49.028	+ 2 7.9	66.8	16 33 43.47	+ 1.47	- 27 15 55.3	. .
2	Venus S.	II	33 38.85	- 0.48	+ 5.10	66 3 59.62	50.972	+ 2 8.0	66.8	16 33 43.47	+ 1.47	- 27 16 32.8	. .
3	κ Ophiuchi	II	52 47.83	- 0.32	+ 5.11	29 18 5.72	47.612	+ 32.0	66.9	16 52 . . .	. .		. .
4	α² Capricorni	II	12 22.83	- 0.51	+ 5.21	51 42 5.50	43.709	+ 1 13.2	65.0	20 12 . . .	. .		. .
5	π Capricorni	II	21 28.31	- 0.54	+ 5.20	57 22 5.38	46.395	+ 1 30.3	66.7	20 21 . . .	. .		. .
6	ε Delphini	IO	28 18.86	- 0.40	+ 5.27	27 54 6.62	42.050	+ 30.7	65.8	20 28 . . .	. .		. .
7	Moon I, S.	II	36 1.53	- 0.55	+ 5.22	56 10 3.95	47.347	+ 1 26.4	65.5	20 36 6.20	+ 69.82	- 17 20 47.5	. .
8	μ Aquarii	II	47 8.33	- 0.49	+ 5.21	48 11 57.95	45.256	+ 1 4.8	64.4	20 47 . . .	. .		. .
9	II Orionis	II	58 44.13	- 0.31	+ 5.39	23 34 6.72	48.108	+ 25.8	65.3	4 58 . . .	. .		. .
10	β Tauri	II	19 50.69	- 0.27	+ 5.40	10 20 6.00	44.339	+ 10.8	64.0	5 19 . . .	. .		. .
11	δ Orionis	II	26 46.90	- 0.37	+ 5.45	39 12 7.48	47.425	+ 48.2	63.7	5 26 . . .	. .		. .
12	Neptune C, C.	II	36 40.48	- 0.29	+ 5.41	16 50 5.90	47.601	+ 17.9	64.1	5 36 45.60	. .	+ 22 0 12.5	. .
13	α Orionis	II	49 38.29	- 0.34	+ 5.39	31 28 6.68	42.816	+ 36.2	63.8	5 49 . . .	. .		. .
14	ν Orionis	II	1 44.37	- 0.31	+ 5.39	24 4 7.32	44.870	+ 26.4	63.8	6 1 . . .	. .		. .
October 23, S.													
15	μ Aquarii	II	47 7.95	- 0.34	+ 5.42	48 12 11.25	44.514	+ 1 5.5	64.2	20 47 . . .	. .		. .
16	β Aquarii	II	26 10.18	- 0.32	+ 5.50	44 52 11.72	42.200	+ 58.4	63.5	21 26 . . .	. .		. .
17	Moon I, S.	II	31 48.43	- 0.36	+ 5.47	50 56 10.20	46.675	+ 1 12.3	63.9	21 31 53.54	+ 67.83	- 12 6 28.4	. .
18	μ Capricorni	II	47 43.29	- 0.35	+ 5.44	52 52 11.10	43.596	+ 1 17.5	64.2	21 47 . . .	. .		. .
19	α Aquarii	II	0 31.56	- 0.30	+ 5.52	39 40 12.32	41.614	+ 48.8	63.6	22 0 . . .	. .		. .
October 23, L.													
20	δ Leonis	II	8 38.46	- 0.27	+ 5.60	17 46 11.00	45.990	+ 19.0	64.1	11 8 . . .	. .		. .
21	β Leonis	II	43 48.63	- 0.28	+ 5.55	23 42 11.55	46.875	+ 25.9	64.6	11 43 . . .	. .		. .
22	α Canum Venat.	II	51 11.89	- 0.25	+ 5.54	359 58 9.00	49.636	+ 0.1	64.1	12 51 . . .	. .		. .
23	α Virginis	II	19 46.16	- 0.34	+ 5.56	49 28 10.38	45.331	+ 1 7.6	63.7	13 19 . . .	. .		. .
24	α Ursæ Minoris S. P.	9	22 57.40	+ 1.47	[+ 3.81]	307 38 8.10	47.680	- 1 14.6	[67.0]	1 23 . . .	. .		. .
October 24, L.													
25	Sun I, S.	II	55 29.44	- 0.34	+ 5.55	51 2 10.18	47.255	+ 1 11.3	64.8	13 55 34.65	+ 66.14	- 12 12 36.5	. .
26	Sun II, N.	II	57 41.72	- 0.34	+ 5.55	50 30 11.95	46.438	+ 1 9.9	64.8	13 57 46.93	- 66.14	- 11 40 23.1	. .
27	α Serpentis	II	39 11.47	- 0.29	+ 5.55	32 6 11.10	45.036	+ 36.0	65.9	15 39 . . .	. .		. .
28	δ Scorpii	II	54 15.60	- 0.37	+ 5.51	61 10 9.48	43.865	+ 1 44.0	66.1	15 54 . . .	. .		. .
29	α Scorpii	II	23 6.90	- 0.39	+ 5.51	65 2 9.82	44.246	+ 2 2.5	65.7	16 23 . . .	. .		. .
30	ζ Ophiuchi	II	31 29.90	- 0.33	+ 5.54	49 12 11.82	44.631	+ 1 6.3	65.4	16 31 . . .	. .		. .
31	Venus I, N.	II	38 42.78	- 0.40	+ 5.53	66 18 10.40	44.745	+ 2 9.9	66.0	16 38 47.91	+ 1.52	- 27 28 46.8	. .
32	θ Aquarii	II	11 26.21	- 0.44	+ 5.54	47 8 6.22	43.096	+ 1 2.9	65.6	22 11 . . .	. .		. .
33	π Aquarii	II	20 3.01	- 0.41	+ 5.58	37 58 6.72	46.736	+ 45.6	65.1	22 20 . . .	. .		. .
34	Moon I, S.	II	24 56.95	- 0.44	+ 5.56	45 8 5.22	48.566	+ 58.8	65.0	22 25 2.07	+ 66.36	- 6 18 45.1	. .
35	η Aquarii	II	30 5.88	- 0.42	+ 5.63	39 28 6.48	47.172	+ 48.2	65.1	22 30 . . .	. .		. .
36	ζ Pegasi	II	36 21.43	- 0.38	+ 5.53	28 32 6.85	46.178	+ 31.8	64.7	22 36 . . .	. .		. .
37	ε Piscium	II	57 38.46	- 0.39	+ 5.55	31 30 7.00	44.272	+ 36.0	64.5	0 57 . . .	. .		. .
38	α Ursæ Minoris	8	22 55.51	+ 0.28	[+ 6.82]	310 6 4.08	45.961	- 1 9.5	[66.5]	1 23 . . .	. .		. .
39	β Tauri	II	19 50.49	- 0.34	+ 5.73	10 20 6.50	44.316	+ 10.8	64.2	5 19 . . .	. .		. .
40	δ Orionis	II	26 46.71	- 0.42	+ 5.74	39 12 8.28	47.485	+ 48.2	65.4	5 26 . . .	. .		. .
41	Neptune C, C.	II	36 32.92	- 0.35	+ 5.76	16 50 6.95	47.946	+ 17.9	64.5	5 36 38.33	. .	+ 22 0 5.2	. .
42	α Orionis	II	49 38.04	- 0.39	+ 5.75	31 28 7.60	42.786	+ 36.2	64.0	5 49 . . .	. .		. .
43	ν Orionis	II	1 44.04	- 0.37	+ 5.84	24 4 9.38	44.791	+ 26.4	64.3	6 1 . . .	. .		. .
October 24, Br.													
44	δ Leonis	II	8 38.21	- 0.21	+ 5.81	17 46 5.08	46.404	+ 18.7	65.6	11 8 . . .	. .		. .
45	β Leonis	II	43 48.28	- 0.22	+ 5.86	23 42 5.82	47.275	+ 25.5	66.0	11 43 . . .	. .		. .
46	α Canum Venat.	II	51 11.62	- 0.19	+ 5.76	359 58 4.32	49.918	+ 0.1	64.6	12 51 . . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	"
22 16 37	29.394	56.0	52.4	1.	Bisections at I, VII.				1	+ 18.2	- 19.0	. .	- 0.8
16 56	29.406	55.5	51.9	2.	Bisections at II, VI.				2	+ 18.2	+ 19.0	- 0.5	+ 36.7
20 6	29.494	49.5	45.9	5, 9.	Bisections at II, VI, VII.				7	+ 48 55.3	+ 16 6.9	. .	+ 65 2.2
20 50	29.512	48.5	45.1	6, 26.	Bisections at VI, VII.				12	+ 0.1	. . .	. .	+ 0.1
5 1	29.624	43.0	39.1	7, 17, 34.	Bisections at II, III, IV, V, VI.				17	+ 45 29.4	+ 16 2.1	. .	+ 61 31.5
5 43	29.638	41.5	38.6	24.	Bisections at C ₄ , C ₃ , C ₁ .				25	+ 6.9	+ 16 6.7	. .	+ 16 13.6
6 7	29.650	41.0	38.0	25.	Bisections at I, II.				26	+ 6.9	- 16 6.7	. .	- 15 59.8
23 20 49	30.045	50.6	48.9	38.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .				31	+ 18.8	- 19.9	. .	- 1.1
21 21	30.056	50.0	48.1						34	+ 41 16.2	+ 15 56.5	. .	+ 57 12.7
22 8	30.068	48.8	47.4						41	+ 0.1	. . .	. .	+ 0.1
11 10	30.192	49.4	46.8										
11 46	. . .	. . .	49.9										
13 28	30.180	59.0	57.7										
13 58	30.158	59.2	58.6										
15 41	30.134	62.0	60.7										
15 56	. . .	. . .	60.9										
16 26	30.130	62.6	61.4										
16 41	30.128	62.5	61.4										
22 14	30.128	54.2	51.7										
22 40	30.128	54.1	50.9										
1 18	30.112	50.1	47.9										
5 22	30.068	48.1	45.0										
5 55	30.068	47.6	45.0										
11 3	30.074	53.5	51.1										
11 46	30.082	56.6	54.7										
12 54	30.080	61.5	60.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	α Virginis	11	19 45.85	- 0.27	+ 5.81	49 28 4.85	45.800	+ 1 6.8	66.4	13 19 . .	. .		. .
	October 25, Br.												
2	Sun I, S.	11	59 18.85	- 0.28	+ 5.78	51 22 6.92	49.668	+ 1 11.1	66.4	13 59 24.35	+66.13	- 12 33 17.7	. .
3	Sun II, N.	11	1 31.12	- 0.28	+ 5.78	50 50 6.58	48.765	+ 1 9.8	66.4	14 1 36.62	-66.14	- 12 1 0.7	. .
4	Mercury C, C.	11	15 49.31	- 0.28	+ 5.77	52 22 3.72	47.572	+ 1 13.7	66.6	14 15 54.80	0.00	- 13 32 37.9	. .
5	ε Bootis	11	40 28.00	- 0.20	+ 5.71	11 20 4.32	48.612	+ 1 11.4	66.5	14 40 . .	. .		. .
6	α Coronæ Borealis	9	30 18.13	- 0.20	+ 5.75	11 48 4.18	44.565	+ 1 11.9	67.5	15 30 . .	. .		. .
7	α Serpentis	11	39 11.15	- 0.24	+ 5.81	32 6 5.35	45.355	+ 1 35.5	67.1	15 39 . .	. .		. .
8	β Tauri	11	19 50.33	- 0.36	+ 5.94	10 20 5.12	44.528	+ 1 10.4	66.4	5 19 . .	. .		. .
9	δ Orionis	11	26 46.50	- 0.35	+ 5.90	39 12 5.98	47.805	+ 1 46.4	67.3	5 26 . .	. .		. .
10	Neptune C, C.	11	36 28.86	- 0.36	+ 5.90	16 50 5.30	48.389	+ 1 17.3	66.8	5 36 34.40	. .	+ 22 0 1.3	. .
11	α Orionis	11	49 37.88	- 0.35	+ 5.89	31 28 5.72	43.114	+ 1 34.8	66.9	5 49 . .	. .		. .
12	ν Orionis	8	1 43.98	- 0.35	+ 5.91	24 4 5.78	45.265	+ 1 25.4	67.5	6 1 . .	. .		. .
13	μ Geminorum	9	16 46.69	- 0.36	+ 5.89	16 16 5.68	48.585	+ 1 16.6	66.0	6 16 . .	. .		. .
	October 26, S.												
14	θ Piscium	11	22 46.16	- 0.34	+ 6.13	33 2 6.48	42.168	+ 1 37.8	65.2	23 22 . .	. .		. .
15	ι Piscium	9	34 40.84	- 0.34	+ 6.15	33 46 6.50	44.465	+ 1 38.9	65.7	23 34 . .	. .		. .
16	Moon I, S.	11	7 20.94	- 0.35	+ 6.18	33 14 7.38	46.555	+ 1 38.2	65.2	0 7 26.77	+65.46	+ 5 36 12.1	. .
17	12 Ceti	11	24 48.77	- 0.37	+ 6.21	43 22 5.30	42.594	+ 1 55.0	65.3	0 24 . .	. .		. .
18	ε Piscium	11	57 37.75	- 0.33	+ 6.21	31 30 5.62	44.375	+ 1 35.8	64.9	0 57 . .	. .		. .
19	11 Orionis	11	58 43.23	- 0.31	+ 6.39	23 34 5.62	48.198	+ 1 25.7	65.2	4 58 . .	. .		. .
20	β Tauri	11	19 49.82	- 0.28	+ 6.40	10 20 5.45	44.398	+ 1 10.8	64.7	5 19 . .	. .		. .
21	Neptune C, C.	11	36 24.32	- 0.30	+ 6.41	16 50 5.10	48.479	+ 1 17.8	65.2	5 36 30.43	. .	+ 21 59 57.7	. .
	October 26, L.												
22	β Leonis	11	43 47.86	- 0.25	+ 6.35	23 42 6.90	47.131	+ 1 26.1	64.5	11 43 . .	. .		. .
23	α Canum Venat.	11	51 11.06	- 0.17	+ 6.33	359 58 5.72	49.824	+ 1 0.1	63.5	12 51 . .	. .		. .
	October 27, L.												
24	Sun I, N.	11	6 59.55	- 0.36	+ 6.37	51 32 3.12	45.238	+ 1 14.3	64.5	14 7 5.56	+66.49	- 12 41 54.1	. .
25	Sun II, S.	11	9 12.53	- 0.36	+ 6.37	52 4 2.10	45.820	+ 1 15.7	64.5	14 9 18.54	-66.49	- 13 14 7.5	. .
26	Mercury C, C.	11	28 5.62	- 0.37	+ 6.38	53 38 1.52	45.599	+ 1 20.0	64.5	14 28 11.63	0.00	- 14 48 6.0	. .
27	δ Ophiuchi	11	8 56.21	- 0.32	+ 6.47	42 16 5.72	46.469	+ 1 53.5	64.9	16 9 . .	. .		. .
28	α Scorpii	11	23 6.16	- 0.43	+ 6.28	65 2 3.22	44.415	+ 2 5.9	65.9	16 23 . .	. .		. .
29	β Herculis	11	25 45.64	- 0.23	+ 6.47	17 8 4.02	46.141	+ 1 18.2	63.1	16 25 . .	. .		. .
30	Venus I, N.	11	45 34.17	- 0.44	+ 6.42	66 32 5.40	47.642	+ 2 15.1	64.5	16 45 40.15	+ 1.59	- 27 43 44.0	. .
31	κ Ophiuchi	11	52 46.42	- 0.27	+ 6.42	29 18 6.75	47.434	+ 1 33.1	65.1	16 52 . .	. .		. .
32	12 Ceti	11	24 48.64	- 0.18	+ 6.14	43 22 6.68	42.414	+ 1 56.7	64.9	0 24 . .	. .		. .
33	β Ceti	11	38 26.89	- 0.24	+ 6.20	57 22 10.75	45.202	+ 1 33.7	65.0	0 38 . .	. .		. .
34	ε Piscium	11	57 37.47	- 0.14	+ 6.30	31 30 8.60	44.210	+ 1 36.9	64.5	0 57 . .	. .		. .
35	Moon I, S.	11	58 36.63	- 0.13	+ 6.23	27 44 8.60	45.665	+ 1 31.7	64.6	0 58 42.73	+65.91	+ 11 6 33.8	. .
36	θ Ceti	11	18 54.08	- 0.20	+ 6.27	47 32 7.22	46.072	+ 1 5.8	64.0	1 19 . .	. .		. .
37	β Tauri	11	19 49.62	- 0.08	+ 6.43	10 20 7.22	44.214	+ 1 11.0	63.1	5 19 . .	. .		. .
38	δ Orionis	11	26 45.89	- 0.17	+ 6.38	39 12 7.98	47.408	+ 1 49.2	64.3	5 26 . .	. .		. .
39	Neptune C, C.	11	36 19.99	- 0.10	+ 6.39	16 50 7.00	48.518	+ 1 18.3	63.4	5 36 26.28	. .	+ 21 59 52.7	. .
40	α Orionis	11	49 37.22	- 0.14	+ 6.40	31 28 7.22	42.738	+ 1 36.9	63.2	5 49 . .	. .		. .
41	ν Orionis	11	1 43.35	- 0.12	+ 6.37	24 4 7.62	44.799	+ 1 27.0	63.1	6 1 . .	. .		. .
	October 27, K.												
42	β Leonis	11	43 47.39	- 0.20	+ 6.79	23 42 5.70	47.204	+ 1 26.3	64.7	11 43 . .	. .		. .
43	α Canum Venat.	8	51 10.58	- 0.13	+ 6.79	359 58 8.22	49.632	+ 1 0.1	63.5	12 51 . .	. .		. .
44	α Ursæ Minoris S. P.	5	22 59.40	- 2.15	[+ 4.97]	307 38 4.60	48.067	- 1 16.5	[65.5]	1 23 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
24	13	22	30.068	62.7	61.5	2, 15, 24, 34.	Bisections at I, II.	2	+	6.9	+16 8.5	+16 15.4
25	14	2	30.044	64.0	63.7	3, 7, 25, 43.	Bisections at VI, VII.	3	+	6.9	-16 8.5	-16 1.6
14	19	30.036	64.5	63.8	4.	Bisections at II, VI, VII.		4	+	4.9	. . .	+ 4.9
15	33	29.998	65.9	65.2	12.	Bisection at II.		10	+	0.1	. . .	+ 0.1
16	17	29.988	67.3	66.7	13.	Bisections at I, II, VI.		16	+31	24.2	+15 42.4	+47 6.6
5	13	29.624	59.3	58.1	16.	Bisections at III, IV, V.		21	+	0.1	. . .	+ 0.1
6	9	29.675	59.4	58.0	35.	Bisections at II, III, IV, V, VI.		24	+	7.0	-16 6.7	-15 59.7
6	21	29.672	59.5	58.1	44.	Bisections at D ₃ , D ₂ , D ₁ .		25	+	7.0	+16 6.7	+16 13.7
23	25	29.568	47.7	44.8				26	+	5.0	. . .	+ 5.0
10	16	29.573	46.6	43.9				30	+	19.9	- 20.9	- 1.0
1	0	29.570	45.4	43.1				35	+26	24.5	+15 34.2	+41 58.7
4	48	29.560	43.9	41.9				39	+	0.1	. . .	+ 0.1
5	27	29.667	43.8	41.8								
11	45	29.998	44.5	41.1								
14	9	29.932	45.5	43.1								
16	30	29.926	46.6	44.1								
16	27	29.926	47.8	44.8								
16	47	29.934	48.1	44.9								
0	27	30.070	40.7	37.4								
1	14	30.068	39.1	35.8								
5	24	30.064	38.0	35.4								
5	56	30.068	38.0	35.0								
11	44	30.146	43.6	39.9								
12	53	30.144	45.7	42.7								
13	24	30.140	46.3	44.0								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
October 28, K.													
1	Sun I, S.	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	Sun II, N.	11	10 51.08	- 0.28	+ 6.74	52 24 3.48	46.115	+ 1 16.9	64.7	14 10 57.54	+66.50	- 13 34 13.9	.
3	Mercury C, C.	8	13 4.08	- 0.28	+ 6.74	51 52 8.75	44.942	+ 1 15.4	64.7	14 13 10.54	-66.50	- 13 1 56.9	.
4	α Scorpi	11	34 13.99	- 0.29	+ 6.73	54 14 8.22	46.838	+ 1 22.0	64.7	14 34 20.43	0.00	- 15 24 38.9	.
5	β Herculis	11	23 5.67	- 0.34	+ 6.67	65 2 6.45	44.208	+ 2 5.8	65.2	16 23 . . .	.	.	.
6	γ Ophiuchi	3	25 45.27	- 0.18	+ 6.70	17 8 4.78	46.211	+ 18.2	65.1	16 25 . . .	.	.	.
7	η Herculis	31	28 75	- 0.27	+ 6.60	49 12 . . .	.	.	65.1	16 31 . . .	.	.	.
8	Venus I, N.	11	39 18.29	- 0.13	+ 6.73	359 44 9.90	45.901	- 0.2	65.1	16 39 . . .	.	.	.
9	α Ursæ Minoris	11	47 38.19	- 0.35	+ 6.68	66 36 1.42	47.472	+ 2 15.3	64.7	16 47 44.52	+ 1.62	- 27 47 36.8	.
10	γ Piscium	5	22 52.94	+ 1.79	[+ 7.47]	310 6 7.02	45.731	- 1 10.6	[65.8]	1 23 . . .	.	.	.
11	o Piscium	11	25 59.78	- 0.21	+ 6.75	24 2 9.70	42.288	+ 26.7	64.6	1 26 . . .	.	.	.
12	β Arietis	11	39 58.64	- 0.22	+ 6.82	30 12 7.70	43.840	+ 34.8	65.1	1 40 . . .	.	.	.
13	Moon I, N.	11	48 58.67	- 0.20	+ 6.80	18 32 8.88	44.738	+ 20.1	64.3	1 49 . . .	.	.	.
14	α Arietis	11	50 55.30	- 0.21	+ 6.78	22 24 12.75	42.811	+ 24.6	64.6	1 51 1.87	+66.73	+ 16 27 31.5	.
October 30, S.													
15	ζ Arietis	11	1 23.90	- 0.19	+ 6.76	15 52 8.75	44.282	+ 17.0	64.6	2 1 . . .	.	.	.
16	ε Eridani	11	9 0.60	- 0.18	+ 7.07	18 10 6.25	47.068	+ 19.3	64.3	3 9 . . .	.	.	.
17	Moon II, N.	11	28 5.29	- 0.28	+ 7.00	48 40 7.88	48.830	+ 1 6.6	64.1	3 28 . . .	.	.	.
18	γ Tauri	11	41 51.15	- 0.18	+ 7.02	15 44 4.65	46.014	+ 16.6	64.0	3 41 57.99	-68.34	+ 23 6 45.6	.
19	ε Tauri	7	13 57.58	- 0.20	+ 6.99	23 28 7.18	44.215	+ 25.6	64.4	4 14 . . .	.	.	.
20	α Tauri	11	22 37.93	- 0.19	+ 7.05	19 54 3.82	43.395	+ 21.3	63.2	4 22 . . .	.	.	.
October 30, K.													
21	β Leonis	11	30 2.31	- 0.19	+ 6.99	22 32 6.42	46.333	+ 24.5	64.2	4 30 . . .	.	.	.
22	o Virginis	11	43 47.15	- 0.24	+ 7.14	23 42 4.92	47.322	+ 25.7	65.0	11 43 . . .	.	.	.
23	γ Corvi	11	59 56.42	- 0.25	+ 7.17	29 32 5.15	48.604	+ 33.1	64.8	12 0 . . .	.	.	.
24	η Virginis	10	10 29.17	- 0.32	+ 7.13	55 48 0.98	47.438	+ 1 25.7	65.9	12 10 . . .	.	.	.
25	α Ursæ Minoris S. P.	11	14 36.91	- 0.27	+ 7.08	38 56 6.75	47.676	+ 47.1	66.6	12 14 . . .	.	.	.
October 31, K.													
26	Sun I, S.	11	22 30.71	- 0.31	+ 7.13	53 22 9.35	49.212	+ 1 18.1	65.8	14 22 37.53	+66.87	- 14 33 19.0	.
27	Sun II, N.	11	24 44.46	- 0.31	+ 7.13	52 50 8.78	48.295	+ 1 16.6	65.8	14 24 51.28	-66.88	- 14 1 1.3	.</

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
	November 1, La.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, S.	11	26 25.44	- 0.29	+ 7.28	53 42 8.62	46.755	+ 1 19.8	65.2	14 26 32.43	+66.99	- 14 52 33.4	. .
2	Sun II, N.	11	28 39.41	- 0.29	+ 7.28	53 10 11.25	45.585	+ 1 18.2	65.2	14 28 46.40	-66.98	- 14 20 14.0	. .
3	Mercury C, C. . . .	11	58 51.02	- 0.30	+ 7.28	56 32 6.22	47.005	+ 1 28.6	65.3	14 58 58.00	0.00	- 17 42 45.5	. .
4	α Scorpii	11	23 5.18	- 0.34	+ 7.15	65 2 8.05	44.138	+ 2 4.7	66.0	16 23 . . .	. . .	. . .	. .
5	β Herculis	11	25 44.70	- 0.22	+ 7.29	17 8 14.38	45.836	+ 18.0	66.5	16 25 . . .	. . .	. . .	. .
6	κ Ophiuchi	11	52 45.45	- 0.24	+ 7.32	29 18 6.25	47.515	+ 32.8	65.3	16 52 . . .	. . .	. . .	. .
7	α ¹ Herculis	11	9 54.74	- 0.23	+ 7.31	24 20 7.02	46.505	+ 26.4	65.7	17 10 . . .	. . .	. . .	. .
8	ι Orionis	11	58 42.19	- 0.18	+ 7.44	23 34 7.65	48.036	+ 26.0	64.3	4 58 . . .	. . .	. . .	. .
9	β Tauri	11	19 48.85	- 0.16	+ 7.42	10 20 7.52	44.259	+ 10.9	64.3	5 19 . . .	. . .	. . .	. .
10	Moon II, N.	10	32 48.11	- 0.16	+ 7.46	14 4 7.88	43.726	+ 15.0	64.5	5 32 55.41	-68.13	+ 24 47 28.3	. .
11	Neptune C, C. . . .	10	35 56.83	- 0.17	+ 7.46	16 52 5.70	43.368	+ 18.1	64.5	5 36 4.12	. . .	+ 21 59 32.7	. .
12	ν Orionis	11	1 42.41	- 0.18	+ 7.51	24 4 7.30	44.955	+ 26.6	65.1	6 1 . . .	. . .	. . .	. .
13	μ Geminorum	11	16 45.14	- 0.17	+ 7.47	16 16 7.00	48.370	+ 17.4	64.4	6 16 . . .	. . .	. . .	. .
	November 1, S.												
14	β Leonis	11	43 46.82	- 0.14	+ 7.41	23 42 5.45	47.281	+ 26.0	64.6	11 43 . . .	. . .	. . .	. .
15	β Corvi	11	28 56.91	- 0.21	+ 7.36	61 40 5.32	44.100	+ 1 48.6	64.2	12 29 . . .	. . .	. . .	. .
16	α Canum Venat. . . .	11	51 10.02	- 0.12	+ 7.43	359 58 3.72	50.035	+ 0.1	63.8	12 51 . . .	. . .	. . .	. .
17	α Virginis	11	19 44.38	- 0.18	+ 7.29	49 28 4.65	45.749	+ 1 8.1	66.1	13 19 . . .	. . .	. . .	. .
	November 2, S.												
18	Sun I, N.	11	30 21.04	- 0.19	+ 7.36	53 28 6.02	49.285	+ 1 18.0	65.0	14 30 28.21	+67.05	- 14 39 17.8	. .
19	Sun II, S.	11	32 35.15	- 0.19	+ 7.36	54 0 6.82	49.820	+ 1 19.6	65.0	14 32 42.32	-67.06	- 15 11 32.4	. .
20	Mercury C, C. . . .	11	5 1.73	- 0.20	+ 7.36	57 4 7.78	48.035	+ 1 28.8	65.0	15 5 8.89	0.00	- 18 15 7.3	. .
21	α Scorpii	11	23 4.95	- 0.22	+ 7.25	65 2 4.18	44.512	+ 2 2.1	65.3	16 23 . . .	. . .	. . .	. .
22	β Herculis	11	25 44.52	- 0.13	+ 7.37	17 8 9.95	45.908	+ 17.7	64.4	16 25 . . .	. . .	. . .	. .
23	η Herculis	11	39 17.52	- 0.12	+ 7.43	359 44 2.12	46.411	- 0.2	65.8	16 39 . . .	. . .	. . .	. .
24	κ Ophiuchi	11	52 45.32	- 0.15	+ 7.36	29 18 4.62	47.686	+ 32.1	66.1	16 52 . . .	. . .	. . .	. .
25	Venus I, N.	11	56 8.56	- 0.23	+ 7.35	66 46 2.70	47.858	+ 2 12.2	65.0	16 56 15.68	+ 1.76	- 27 57 42.1	. .
26	ι Orionis	11	58 42.20	- 0.20	+ 7.48	23 34 5.48	48.179	+ 25.9	64.8	4 58 . . .	. . .	. . .	. .
27	β Tauri	11	19 48.86	- 0.18	+ 7.45	10 20 5.08	44.390	+ 10.8	64.3	5 19 . . .	. . .	. . .	. .
28	ε Orionis	11	30 59.58	- 0.24	+ 7.41	40 6 5.52	46.138	+ 49.9	64.7	5 31 . . .	. . .	. . .	. .
29	Neptune C, C. . . .	11	35 52.10	- 0.19	+ 7.45	16 52 5.45	43.709	+ 18.0	64.6	5 35 59.36	. . .	+ 21 59 28.0	. .
30	ν Orionis	11	1 42.50	- 0.20	+ 7.46	24 4 5.28	45.065	+ 26.5	65.1	6 1 . . .	. . .	. . .	. .
31	μ Geminorum	11	16 45.18	- 0.19	+ 7.48	16 16 5.32	48.451	+ 17.4	64.2	6 16 . . .	. . .	. . .	. .
32	Moon S.					15 38 5.98	45.533	+ 16.6	64.6	6 25 . . .	. . .	+ 23 12 54.0	. .
33	γ Geminorum	11	31 46.76	- 0.20	+ 7.40	22 22 6.12	44.231	+ 24.4	64.4	6 31 . . .	. . .	. . .	. .
	November 2, L.												
34	β Leonis	11	43 46.84	- 0.27	+ 7.55	23 42 6.60	47.209	+ 26.0	64.2	11 43 . . .	. . .	. . .	. .
35	γ Corvi	11	10 28.82	- 0.33	+ 7.55	55 48 2.52	47.239	+ 1 26.7	64.5	12 10 . . .	. . .	. . .	. .
36	α Virginis	8	19 44.24	- 0.31	+ 7.58	49 28 4.55	45.645	+ 1 8.7	64.1	13 19 . . .	. . .	. . .	. .
37	α Ursæ Minoris S. P.	10	22 53.12	+ 1.97	[+ 6.82]	307 38 1.95	48.230	- 1 15.8	[66.4]	1 23 . . .	. . .	. . .	. .
38	η Bootis	11	49 44.39	- 0.26	+ 7.56	19 56 5.08	47.409	+ 21.3	65.2	13 49 . . .	. . .	. . .	. .
	November 3, L.												
39	Sun I, S.	11	34 17.63	- 0.32	+ 7.53	54 20 11.12	45.918	+ 1 21.3	65.1	14 34 24.84	+67.26	- 15 30 21.5	. .
40	Sun II, N.	11	36 32.16	- 0.32	+ 7.52	53 48 6.92	45.030	+ 1 19.7	65.1	14 36 39.36	-67.26	- 14 58 0.6	. .
41	Mercury C, C. . . .	11	11 13.15	- 0.33	+ 7.51	57 36 5.52	46.294	+ 1 31.8	65.1	15 11 20.33	0.00	- 18 46 34.5	. .
42	α Scorpii	11	23 5.00	- 0.36	+ 7.34	65 2 5.75	44.342	+ 2 4.4	65.6	16 23 . . .	. . .	. . .	. .
43	ζ Ophiuchi	8	31 27.95	- 0.31	+ 7.43	49 12 4.90	45.055	+ 1 7.3	65.9	16 31 . . .	. . .	. . .	. .
44	κ Ophiuchi	11	52 45.19	- 0.28	+ 7.61	29 18 5.38	47.611	+ 32.7	65.8	16 52 . . .	. . .	. . .	. .
45	Venus I, N.	11	57 26.47	- 0.36	+ 7.48	66 46 4.15	47.994	+ 2 14.8	65.1	16 57 33.59	+ 1.79	- 27 57 48.7	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
1 14 29	30.136	51.0	49.9	1, 18, 39, 43.	Bisections at I, II.	1	+ 7.2	+16 9.6	.	+16 16.8
15 10	30.110	51.4	49.9	2, 4, 11, 19, 22, 40.	Bisections at VI, VII.	2	+ 7.1	-16 9.7	.	-16 2.6
16 32	30.092	53.9	52.5	10, 32.	Bisections at II, III, IV, V, VII.	3	+ 5.1	.	0.0	+ 5.1
17 15	30.080	53.2	52.3	15.	Bisections at II, VI, VII.	10	+13 7.6	-14 53.7	.	-1 46.1
5 4	30.004	43.0	40.7	36, 42.	Bisections at I, II, VII.	11	+ 0.1	.	.	+ 0.1
5 43	29.996	42.8	40.6	37.	Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	18	+ 7.2	-16 7.3	.	-16 0.1
6 21	29.994	42.8	41.1			19	+ 7.2	+16 7.3	.	+16 14.5
11 36	30.009	45.9	43.9			20	+ 5.2	.	0.0	+ 5.2
12 35	30.022	49.5	47.6			25	+ 21.9	- 23.1	.	- 1.2
13 25	30.027	54.0	51.9			29	+ 0.1	.	.	+ 0.1
14 33	30.008	55.8	54.8			32	+14 30.4	+14 49.5	.	+29 19.9
15 12	30.015	57.5	57.4			39	+ 7.2	+16 10.4	.	+16 17.6
16 16	30.018	62.5	61.0			40	+ 7.2	-16 10.5	.	-16 3.3
17 0	30.020	63.1	62.1			41	+ 5.2	.	0.00	+ 5.2
4 50	30.208	47.4	46.9			45	+ 22.3	- 23.5	.	- 1.2
6 40	30.218	47.1	46.3							
11 45	30.308	51.1	48.5							
12 12	.	.	49.7							
13 28	30.320	54.8	51.7							
13 51	30.318	55.4	52.6							
14 37	30.294	56.5	54.5							
15 12	.	.	54.9							
16 25	30.268	59.0	56.1							
16 35	.	.	56.1							
16 59	.	.	56.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Ophiuchi	11	30 6.85	- 0.27	+ 7.55	26 12 6.35	47.419	+ 28.6	65.8	17 30 . .	. .		. .
2	ϵ Piscium	11	57 36.24	- 0.27	[+ 7.66]	31 30 7.92	44.209	+ 36.4	64.6	0 57 . .	. .		. .
3	α Ursæ Minoris . .	8	22 55.29	- 1.03	[+ 7.55]	310 6 3.90	45.784	- 10.2	[66.0]	1 23 . .	. .		. .
4	Neptune C, C. . .	11	35 46.95	- 0.24	+ 7.73	16 52 6.32	43.879	+ 18.2	64.6	5 35 54.44	. .	+ 21 59 23.7	. .
5	α Orionis	11	49 36.25	- 0.27	+ 7.69	31 28 8.10	42.818	+ 36.6	64.7	5 49 . .	. .		. .
6	ν Orionis	11	1 42.28	- 0.25	+ 7.76	24 4 6.98	44.910	+ 26.8	64.0	6 1 . .	. .		. .
7	μ Geminorum . . .	11	16 45.03	- 0.24	+ 7.71	16 16 6.42	48.399	+ 17.5	64.4	6 16 . .	. .		. .
8	δ Geminorum . . .	11	13 59.11	- 0.24	+ 7.82	16 40 6.40	47.924	+ 18.1	64.5	7 14 . .	. .		. .
9	Moon II, S. . . .	11	19 10.85	- 0.25	+ 7.76	17 50 6.85	47.681	+ 19.4	64.6	7 19 18.36	- 65.88	+ 21 0 9.2	. .
10	α^2 Geminorum . . .	11	28 3.06	- 0.23	+ 7.76	6 44 5.60	47.155	+ 7.2	65.1	7 28 . .	. .		. .
	November 3, K.												
11	α Canum Venat. . .	11	51 9.57	- 0.24	+ 8.04	359 58 11.12	49.758	+ 0.1	65.2	12 51 . .	. .		. .
12	α Ursæ Minoris S. P.	5	22 53.22	+ 0.78	[+ 7.70]	307 38 5.30	48.006	- 15.7	[65.1]	1 23 . .	. .		. .
13	α Bootis	11	10 54.58	- 0.27	+ 8.07	19 8 4.88	46.656	+ 20.3	65.3	14 11 . .	. .		. .
	November 4, K.												
14	Sun I, N. . . .	11	38 14.55	- 0.36	+ 8.09	54 6 2.02	47.082	+ 20.2	65.7	14 38 22.28	+ 67.30	- 15 16 33.0	. .
15	Sun II, S. . . .	11	40 29.14	- 0.36	+ 8.09	54 38 2.28	47.770	+ 21.8	65.7	14 40 36.87	- 67.29	- 15 48 50.0	. .
16	α Scorpii	11	23 4.23	- 0.40	+ 8.15	65 2 6.70	44.428	+ 3.4	67.6	16 23 . .	. .		. .
17	β Herculis	11	25 43.92	- 0.27	+ 8.10	17 8 6.38	46.240	+ 17.8	65.4	16 25 . .	. .		. .
18	ζ Ophiuchi	11	31 27.23	- 0.34	+ 8.17	49 12 6.30	44.991	+ 6.8	67.0	16 31 . .	. .		. .
19	α^1 Herculis	11	9 53.92	- 0.28	+ 8.16	24 20 7.05	46.572	+ 25.1	66.3	17 10 . .	. .		. .
20	ϵ Orionis	11	30 58.92	- 0.26	+ 8.14	40 6 8.50	46.038	+ 49.7	65.4	5 31 . .	. .		. .
21	Neptune C, C. . .	6	35 41.52	- 0.21	+ 8.17	16 52 8.65	43.855	+ 17.9	65.0	5 35 49.48	. .	+ 21 59 21.1	. .
22	α Orionis	11	49 35.79	- 0.24	+ 8.15	31 28 7.35	42.882	+ 36.1	64.2	5 49 . .	. .		. .
23	ν Orionis	11	1 41.83	- 0.23	+ 8.22	24 4 5.42	45.076	+ 26.4	65.1	6 1 . .	. .		. .
24	β Geminorum . . .	11	39 1.35	- 0.20	+ 8.17	10 34 6.30	48.108	+ 11.1	64.8	7 39 . .	. .		. .
25	ϕ Geminorum . . .	8	47 12.21	- 0.20	+ 8.09	11 48 7.12	49.895	+ 12.4	65.5	7 47 . .	. .		. .
26	Moon II, S. . . .	11	9 21.72	- 0.22	+ 8.13	21 2 7.62	46.815	+ 22.8	65.0	8 9 29.63	- 64.56	+ 17 48 22.0	. .
27	η Cancri	3	26 45.02	- 0.22	+ 8.13	18 4 . .	. .	. .	. .	8 26 . .	. .		. .
	November 4, La.												
28	α Bootis	11	10 54.40	- 0.27	+ 8.27	19 8 5.68	46.595	+ 20.1	64.5	14 11 . .	. .		. .
	November 5, La.												
29	Sun I, N. . . .	11	42 12.45	- 0.33	+ 8.29	54 24 10.05	47.485	+ 20.4	66.1	14 42 20.41	+ 67.43	- 15 34 48.5	. .
30	Sun II, S. . . .	8	44 27.31	- 0.33	+ 8.29	54 56 5.82	48.325	+ 22.0	66.1	14 44 35.27	- 67.43	- 16 7 4.0	. .
31	β Herculis	11	25 43.67	- 0.27	+ 8.35	17 8 5.62	46.322	+ 17.6	65.9	16 25 . .	. .		. .
32	κ Ophiuchi	11	52 44.40	- 0.28	+ 8.39	29 18 5.52	47.692	+ 31.9	66.5	16 52 . .	. .		. .
33	Venus I, N. . . .	11	59 35.25	- 0.37	+ 8.37	66 44 3.35	49.329	+ 11.6	66.1	16 59 43.25	+ 1.85	- 27 56 9.3	. .
34	α^1 Herculis	11	9 53.71	- 0.28	+ 8.37	24 20 5.52	46.681	+ 25.7	66.3	17 10 . .	. .		. .
35	α Ophiuchi	11	30 6.03	- 0.28	+ 8.37	26 12 5.82	47.582	+ 28.0	67.5	17 30 . .	. .		. .
	November 6, S.												
36	α Hydræ	11	22 29.34	- 0.30	+ 8.82	47 4 5.30	43.174	+ 4.1	64.6	9 22 . .	. .		. .
37	Moon II, S. . . .	11	44 46.21	- 0.24	+ 8.86	29 42 6.05	49.345	+ 34.1	64.5	9 44 54.83	- 62.84	+ 9 7 23.3	. .
38	α Leonis	11	2 51.25	- 0.23	+ 8.85	26 22 5.90	48.774	+ 29.7	64.7	10 2 . .	. .		. .
39	γ^1 Leonis	11	14 15.79	- 0.20	+ 8.91	18 30 5.95	44.719	+ 20.1	64.3	10 14 . .	. .		. .
40	ρ Leonis	11	27 21.05	- 0.24	+ 8.92	29 0 6.62	48.738	+ 33.2	64.7	10 27 . .	. .		. .
41	ι Leonis	7	43 48.37	- 0.23	+ 8.82	27 46 6.48	45.095	+ 31.5	64.1	10 43 . .	. .		. .
	November 6, L.												
42	γ Corvi	11	10 27.82	- 0.39	+ 8.71	55 48 4.30	47.106	+ 27.2	63.9	12 10 . .	. .		. .
43	α Canum Venat. . .	11	51 8.75	- 0.17	+ 8.75	359 58 3.00	50.124	+ 0.1	63.2	12 51 . .	. .		. .
44	α Virginis	11	19 43.15	- 0.36	+ 8.79	49 28 4.42	45.632	+ 9.1	64.2	13 19 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
3	17	33	30.258	58.9	56.9	3, 12.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	4	+ 0.1	. .	. .	+ 0.1
	1	0	30.256	47.3	45.8	9, 26, 37.	Bisections at II, III, IV, V, VI.	9	+ 16 28.7	+ 14 47.7	. .	+ 31 16.4
	5	38	30.248	44.0	42.0	14, 29.	Bisections at I, II.	14	+ 7.2	- 16 8.4	. .	- 16 1.2
	6	18	. .	. .	42.0	15, 21, 30.	Bisections at VI, VII.	15	+ 7.3	+ 16 8.5	. .	+ 16 15.8
	7	26	30.242	42.2	39.0	22.	Bisections at I, II, VII.	21	+ 0.1	. .	. .	+ 0.1
	12	53	30.270	51.5	50.0	25.	Bisection at II.	26	+ 19 21.0	+ 14 48.7	. .	+ 34 9.7
	13	27	30.280	53.8	52.0			29	+ 7.2	- 16 7.7	. .	- 16 0.5
	14	13	30.266	55.4	54.7			30	+ 7.3	+ 16 7.7	. .	+ 16 15.0
	14	40	30.250	56.8	56.2			33	+ 23.0	- 24.2	. .	- 1.2
	16	20	30.206	60.0	59.1			37	+ 27 5.9	+ 14 59.6	. .	+ 42 5.5
	17	7	30.190	61.0	59.8							
	5	32	30.060	47.8	46.0							
	6	4	30.036	47.8	46.1							
	7	41	30.020	47.4	44.6							
	8	44	29.990	46.7	44.9							
	14	14	29.916	54.2	53.5							
	14	45	29.884	55.7	54.9							
	16	30	29.838	61.0	60.2							
	17	35	29.795	61.4	61.0							
	9	26	29.916	40.0	37.7							
	10	11	29.947	39.4	37.4							
	10	51	29.984	40.4	38.1							
	12	12	30.030	45.3	42.6							
	13	24	30.054	48.5	44.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Ursæ Minoris s. p.	6	22 56.08	- 3.69	[+ 8.32]	307 38 2.50	48.310	- 1 16.2	[66.6]	1 23 . .	. .		. .
2	η Bootis	11	49 43.19	- 0.24	+ 8.79	19 56 4.22	47.419	+ 21.5	63.9	13 49 . .	. .		. .
	November 7, L.												
3	Sun I, N.	11	50 11.17	- 0.39	+ 8.81	55 0 7.92	46.385	+ 1 24.0	64.0	14 50 19.59	+67.75	- 16 10 31.0	. .
4	Sun II, S.	11	52 26.67	- 0.39	+ 8.81	55 32 7.45	47.272	+ 1 25.7	64.0	14 52 35.09	-67.75	- 16 42 51.2	. .
5	Mercury C, C. . . .	11	36 5.31	- 0.42	+ 8.84	59 32 6.55	46.850	+ 1 39.7	64.0	15 36 13.73	+ 0.01	- 20 42 55.2	. .
6	δ Ophiuchi	11	8 53.77	- 0.33	+ 8.91	42 16 7.75	46.405	+ 53.3	64.7	16 9 . .	. .		. .
7	β Herculis	11	25 43.16	- 0.23	+ 8.81	17 8 7.52	46.111	+ 18.1	63.8	16 25 . .	. .		. .
8	κ Ophiuchi	11	52 43.86	- 0.28	+ 8.92	29 18 6.70	47.491	+ 32.9	64.6	16 52 . .	. .		. .
9	Venus I, N.	11	1 7.19	- 0.44	+ 8.87	66 40 6.12	47.660	+ 2 15.2	64.0	17 1 15.62	+ 1.91	- 27 51 45.7	. .
10	α ¹ Herculis	11	9 53.21	- 0.26	+ 8.83	24 20 6.68	46.478	+ 26.5	64.0	17 10 . .	. .		. .
11	β Andromedæ	11	3 57.74	- 0.16	[+ 8.70]	3 46 4.98	44.792	+ 4.0	63.7	1 4 . .	. .		. .
12	α Ursæ Minoris . . .	8	22 45.96	+ 3.46	[+ 11.10]	310 6 2.05	45.802	- 1 10.5	[65.6]	1 23 . .	. .		. .
13	δ Orionis	11	26 43.80	- 0.27	+ 8.84	39 12 8.35	47.484	+ 49.0	64.8	5 26 . .	. .		. .
14	ε Orionis	11	30 58.26	- 0.28	+ 8.89	40 6 7.05	45.982	+ 50.5	63.3	5 31 . .	. .		. .
15	Neptune C, C. . . .	11	35 25.13	- 0.20	+ 8.91	16 52 7.82	44.674	+ 18.2	63.7	5 35 33.84	. .	+ 21 59 6.0	. .
16	α Orionis	11	49 35.12	- 0.25	+ 8.90	31 28 8.58	42.722	+ 36.7	63.1	5 49 . .	. .		. .
17	ν Orionis	11	1 41.11	- 0.22	+ 9.01	24 4 9.28	44.770	+ 26.8	63.4	6 1 . .	. .		. .
	November 7, Br.												
18	α Canum Venat. . . .	9	51 8.58	+ 0.03	+ 8.84	359 58 6.02	50.054	+ 0.1	64.6	12 51 . .	. .		. .
19	α Virginis	11	19 42.84	- 0.14	+ 8.90	49 28 5.22	45.688	+ 1 8.5	65.4	13 19 . .	. .		. .
20	α Bootis	11	10 53.60	- 0.04	+ 8.87	19 8 4.98	46.728	+ 20.2	65.1	14 11 . .	. .		. .
	November 8, Br.												
21	Sun I, N.	11	54 11.66	- 0.16	+ 8.87	55 18 7.08	44.702	+ 1 23.7	65.4	14 54 20.37	+67.73	- 16 27 56.2	. .
22	Sun II, S.	11	56 27.12	- 0.16	+ 8.87	55 50 9.80	45.425	+ 1 25.4	65.4	14 56 35.83	-67.73	- 17 0 16.5	. .
23	β Herculis	11	25 42.93	- 0.03	+ 8.84	17 8 4.60	46.352	+ 17.8	65.4	16 25 . .	. .		. .
24	ζ Ophiuchi	11	31 26.35	- 0.14	+ 8.85	49 12 8.38	44.871	+ 1 6.5	66.3	16 31 . .	. .		. .
25	Venus I, N.	11	1 38.74	- 0.22	+ 8.87	66 38 5.15	44.040	+ 2 11.9	65.4	17 1 47.39	+ 1.94	- 27 48 30.6	. .
26	α Ophiuchi	11	30 5.24	- 0.06	+ 8.91	26 12 6.05	47.479	+ 28.2	65.6	17 30 . .	. .		. .
27	μ Herculis	11	42 20.65	- 0.01	+ 8.90	11 4 4.10	45.884	+ 11.3	65.6	17 42 . .	. .		. .
	November 8, S.												
28	ρ Leonis	11	27 20.58	- 0.15	+ 9.36	29 0 11.18	48.532	+ 32.8	64.5	10 27 . .	. .		. .
29	ι Leonis	11	43 47.80	- 0.14	+ 9.36	27 46 5.98	45.181	+ 31.1	64.4	10 43 . .	. .		. .
30	δ Leonis	11	8 34.96	- 0.12	+ 9.38	17 46 6.35	46.431	+ 19.0	64.4	11 8 . .	. .		. .
31	Moon II, S.	11	18 31.69	- 0.18	+ 9.37	40 22 6.58	49.041	+ 50.2	64.6	11 18 40.88	-63.47	- 1 32 47.3	. .
32	β Leonis	11	43 45.04	- 0.14	+ 9.37	23 42 6.25	47.329	+ 25.9	64.7	11 43 . .	. .		. .
33	α Ursæ Minoris s. p.	6	22 50.37	- 2.65	[+ 12.26]	307 38 3.82	48.129	- 1 14.8	[65.3]	1 22 . .	. .		. .
	November 9, S.												
34	Sun I, N.	11	58 13.03	- 0.23	+ 9.34	55 34 17.85	47.832	+ 1 24.0	65.6	14 58 22.14	+67.84	- 16 45 7.0	. .
35	Sun II, S.	11	0 28.71	- 0.23	+ 9.34	56 6 9.00	49.095	+ 1 25.7	65.6	15 0 37.82	-67.84	- 17 17 26.2	. .
36	Mercury C, C. . . .	11	48 36.13	- 0.24	+ 9.33	60 24 4.75	47.484	+ 1 40.7	65.8	15 48 45.22	+ 0.01	- 21 35 4.8	. .
37	δ Ophiuchi	7	8 53.21	- 0.18	+ 9.32	42 16 4.65	46.718	+ 52.0	66.0	16 9 . .	. .		. .
38	α Scorpii	11	23 2.99	- 0.26	+ 9.26	65 2 5.35	44.475	+ 2 2.1	66.2	16 23 . .	. .		. .
39	ζ Ophiuchi	11	31 25.99	- 0.21	+ 9.28	49 12 4.48	45.067	+ 1 6.1	66.1	16 31 . .	. .		. .
40	Venus I, N.	11	2 0.16	- 0.27	+ 9.33	66 34 3.55	44.295	+ 2 10.7	66.1	17 2 9.22	+ 1.97	- 27 44 32.0	. .
41	μ Herculis	11	42 20.18	- 0.10	+ 9.45	11 4 3.98	45.906	+ 11.2	65.7	17 42 . .	. .		. .
	November 10, K.												
42	α Virginis	11	19 42.02	- 0.39	+ 10.03	49 28 5.40	45.735	+ 1 8.4	66.6	13 19 . .	. .		. .
43	α Ursæ Minoris s. p.	5	22 50.70	- 0.68	[+ 9.37]	307 38 9.48	48.048	- 1 15.4	[66.7]	1 22 . .	. .		. .
44	η Bootis	11	49 42.13	- 0.31	+ 9.99	19 56 7.68	47.475	+ 21.3	67.3	13 49 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 13 52	30.058	48.6	44.9	1.	Bisections at C ₄ , C ₂ , C ₁ .	3	+ 7.3	-16 10.0	.	-16 2.7
7 14 52	30.066	49.0	46.6	3, 21, 34.	Bisections at I, II.	4	+ 7.4	+16 10.1	.	+16 17.5
15 37	30.040	49.8	47.2	4, 22, 35.	Bisections at VI, VII.	5	+ 5.5	.	0.0	+ 5.5
16 12	30.038	50.5	48.3	12.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	9	+ 23.8	- 25.0	.	- 1.2
17 5	30.038	52.2	49.3	20.	Bisections at I, II, VI.	15	+ 0.1	.	.	+ 0.1
1 7	30.060	43.1	39.9	23, 39.	Bisections at I, VI, VII.	21	+ 7.3	-16 10.1	.	-16 2.8
5 20	30.058	40.4	37.9	31.	Bisections at II, III, IV, V, VI.	22	+ 7.4	+16 10.1	.	+16 17.5
6 0	30.048	40.6	37.9	33.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ .	25	+ 24.1	- 25.4	.	- 1.3
12 54	30.100	49.0	47.8	42.	Bisections at II, VI, VII.	31	+36 19.3	+15 21.5	.	+51 40.8
13 22	30.106	51.7	49.8	43.	Bisections at D ₁ , D ₂ .	34	+ 7.4	-16 9.6	.	-16 2.2
14 12	30.094	54.5	53.0			35	+ 7.4	+16 9.6	.	+16 17.0
14 56	30.078	55.2	53.9			36	+ 5.6	.	0.0	+ 5.6
16 20	30.058	59.8	58.4			40	+ 24.6	- 25.8	.	- 1.2
17 5	30.056	61.5	60.2							
17 45	30.048	61.0	59.8							
10 33	30.063	46.5	44.8							
11 46	30.066	49.2	46.9							
13 26	30.065	56.0	54.3							
9 15 0	30.038	57.8	56.9							
15 57	30.012	60.8	59.9							
16 34	30.004	63.2	61.5							
17 7	29.998	64.1	62.5							
17 47	29.990	64.1	63.3							
10 13 18	29.780	48.3	45.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Bootis November 11, K.	11	10 52.76	- 0.30	+ 10.02	19 8 3.48	46.866	+ 20.3	66.3	14 11 . .	. .		. .
2	Sun N.	. .		. .	. .	56 7 58.18	46.795	+ 1 27.0	66.6		. .	- 17 18 29.5	. .
3	Sun II, S.	11	8 34.60	- 0.41	+ 10.06	56 40 7.42	47.490	+ 1 28.8	66.6	15 8 44.25	- 68.15	- 17 50 55.9	. .
4	Mercury I, C.	11	1 10.04	- 0.43	+ 10.09	61 12 3.20	47.090	+ 1 46.0	66.6	16 1 19.70	+ .18	- 22 23 0.1	. .
5	Venus I, N.	11	2 12.51	- 0.46	+ 10.13	66 24 6.05	43.546	+ 2 13.1	66.6	17 2 22.18	+ 2.03	- 27 34 22.1	. .
6	α Herculis	11	9 51.97	- 0.32	+ 10.12	24 20 10.92	46.431	+ 26.5	66.8	17 10 . .	. .		. .
7	α Ophiuchi	11	30 4.21	- 0.32	+ 10.19	26 12 5.88	47.565	+ 28.8	67.4	17 30 . .	. .		. .
8	μ Herculis	11	42 19.65	- 0.28	+ 10.13	11 4 4.92	45.928	+ 11.5	66.9	17 42 . .	. .		. .
9	π Capricorni	11	21 22.96	- 0.42	+ 10.13	57 22 . .	. .	. .	. .	20 21 . .	. .		. .
10	ϵ Delphini	11	28 13.55	- 0.32	+ 10.19	27 54 10.30	41.960	+ 31.1	66.1	20 28 . .	. .		. .
11	B. D. - 6°, 5574.	11	39 56.08	- 0.37	+ 10.22	44 50 7.42	45.785	+ 58.6	66.6	20 40 5.93	- 3.45	- 6 3 7.9	- 16.9
12	B. D. - 5°, 5421.	11	51 11.37	- 0.37	+ 10.22	44 10 8.88	48.195	+ 57.2	66.6	20 51 21.22	- 3.49	- 5 20 38.4	- 18.0
13	ζ Cygni	11	8 28.51	- 0.28	+ 10.27	9 2 5.50	45.675	+ 9.4	66.6	21 8 . .	. .		. .
14	ι Pegasi	11	17 15.30	- 0.30	+ 10.31	19 28 8.15	46.300	+ 20.9	65.2	21 17 . .	. .		. .
15	β Tauri	11	19 46.21	- 0.08	+ 10.25	10 20 4.20	44.491	+ 11.1	65.9	5 19 . .	. .		. .
16	δ Orionis	11	26 42.44	- 0.16	+ 10.19	39 12 4.90	47.761	+ 49.4	66.5	5 26 . .	. .		. .
17	ϵ Orionis	8	30 56.83	- 0.16	+ 10.29	40 6 8.40	45.950	+ 51.0	65.4	5 31 . .	. .		. .
18	Neptune C, C.	11	35 1.54	- 0.10	+ 10.19	16 52 4.62	45.814	+ 18.4	65.9	5 35 11.63	. .	+ 21 58 49.4	. .
19	α Orionis November 11, B.	11	49 33.97	- 0.14	+ 10.04	31 28 4.42	43.080	+ 37.1	65.8	5 49 . .	. .		. .
20	β Corvi	11	28 54.25	- 0.21	+ 10.26	61 40 12.45	43.750	+ 1 51.7	66.7	12 29 . .	. .		. .
21	α Virginis	11	19 41.52	- 0.16	+ 10.32	49 28 8.58	45.488	+ 1 10.3	66.3	13 19 . .	. .		. .
22	η Bootis	11	49 41.64	- 0.05	+ 10.24	19 56 8.15	47.404	+ 21.8	66.6	13 49 . .	. .		. .
23	α Bootis November 12, B.	11	10 52.29	- 0.05	+ 10.25	19 8 5.98	46.680	+ 20.8	65.4	14 11 . .	. .		. .
24	Sun I, N.	11	10 22.01	- 0.18	+ 10.30	56 24 9.25	46.988	+ 1 29.7	66.1	15 10 32.13	+ 68.43	- 17 34 47.4	. .
25	Sun II, S.	11	12 38.86	- 0.18	+ 10.30	56 56 9.08	48.168	+ 1 31.5	66.1	15 12 48.98	- 68.42	- 18 7 13.8	. .
26	Mercury C, C.	11	7 27.83	- 0.21	+ 10.32	61 34 9.25	47.506	+ 1 49.3	66.1	16 7 37.94	+ 0.01	- 22 45 18.0	. .
27	β Herculis	11	25 41.49	- 0.04	+ 10.29	17 8 8.10	46.254	+ 18.3	66.3	16 25 . .	. .		. .
28	α Lyrae	11	33 19.87	+ 0.02	+ 10.39	0 10 11.75	44.028	+ 0.2	65.5	18 33 . .	. .		. .
29	Lalande 41356	11	13 0.55	- 0.13	+ 10.36	42 56 5.32	46.995	+ 55.5	65.2	21 13 10.78	- 3.57	- 4 6 11.5	- 20.1
30	Schjellerup 8624	11	15 5.22	- 0.13	+ 10.36	42 44 5.78	44.568	+ 55.0	65.2	21 15 15.45	- 3.58	- 3 53 25.5	- 20.3
31	β Aquarii	11	26 4.87	- 0.14	+ 10.35	44 52 8.92	42.360	+ 59.3	63.9	21 26 . .	. .		. .
32	ϵ Aquarii	11	32 12.87	- 0.15	+ 10.41	47 8 5.82	47.076	+ 1 4.3	65.7	21 32 . .	. .		. .
33	ϵ Pegasi	11	39 3.80	- 0.08	+ 10.35	29 26 6.98	44.695	+ 33.7	65.5	21 39 . .	. .		. .
34	μ Capricorni	11	47 37.94	- 0.17	+ 10.33	52 52 5.08	43.975	+ 1 18.7	65.6	21 47 . .	. .		. .
35	ι Orionis	11	58 39.29	- 0.10	+ 10.51	23 34 7.78	48.081	+ 26.4	65.3	4 58 . .	. .		. .
36	δ Orionis	11	26 42.15	- 0.13	+ 10.47	39 12 6.08	47.652	+ 49.2	65.3	5 26 . .	. .		. .
37	Neptune C, C.	11	34 55.50	- 0.08	+ 10.48	16 52 6.32	46.108	+ 18.3	65.1	5 35 5.90	. .	+ 21 58 42.7	. .
38	α Orionis	11	49 33.59	- 0.11	+ 10.42	31 28 7.00	42.931	+ 36.9	65.2	5 49 . .	. .		. .
39	ν Orionis November 14, L.	11	1 39.60	- 0.10	+ 10.53	24 4 6.12	45.001	+ 27.0	64.5	6 1 . .	. .		. .
40	ϵ Delphini	11	28 13.30	- 0.22	+ 10.30	27 54 7.12	42.029	+ 30.8	63.7	20 28 . .	. .		. .
41	B. D. - 5°, 5440.	11	56 23.84	- 0.24	+ 10.27	43 54 7.40	45.062	+ 56.2	63.4	20 56 33.87	- 3.48	- 5 3 39.0	- 18.5
42	B. D. - 5°, 5451.	8	59 11.29	- 0.24	+ 10.27	43 44 6.42	44.445	+ 55.8	63.4	20 59 21.32	- 3.49	- 4 53 24.4	- 18.8
43	B. D. - 4°, 5365.	8	2 27.24	- 0.24	+ 10.27	43 36 7.48	43.108	+ 55.6	63.4	21 2 37.27	- 3.50	- 4 44 59.6	- 19.0
44	ζ Cygni	11	8 28.40	- 0.20	+ 10.25	9 2 6.20	45.494	+ 9.3	63.7	21 8 . .	. .		. .
45	Lalande 41356	11	13 0.75	- 0.24	+ 10.27	42 56 7.18	46.860	+ 54.4	63.4	21 13 10.78	- 3.55	- 4 6 11.5	- 20.1
46	Schjellerup 8624	11	15 5.31	- 0.24	+ 10.27	42 44 8.08	44.510	+ 54.0	63.4	21 15 15.34	- 3.55	- 3 53 26.9	- 20.3

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
10	14	12	29.822	49.4	46.8	2, 24, 37, 42, 43. 3, 17, 25. 11. 12. 30.	Bisections at I, II. Bisections at VI, VII. Bisection at V. Z. D. thread A used. Bisections at II, VI. Bisections at II, VI, VII.	2	+	7.4	- 16 13.1	- 16 5.7
11	15	9	29.844	49.5	46.9			3	+	7.5	+ 16 13.2	+ 16 20.7
17	4	0	29.864	49.6	47.1			4	+	5.7	. . .	+ 5.7
20	22	0	29.900	50.2	47.6			5	+	25.3	- 26.7	- 1.4
21	18	0	29.900	49.8	47.9			18	+	0.1	. . .	+ 0.1
5	21	0	29.900	48.3	45.8			24	+	7.4	- 16 13.1	- 16 5.7
5	47	0	30.110	46.2	43.9			25	+	7.5	+ 16 13.2	+ 16 20.7
12	33	0	30.110	36.5	34.1			26	+	5.7	. . .	+ 5.6
12	33	0	30.162	36.4	33.8			37	+	0.1	. . .	+ 0.1
13	26	0	30.162	38.2	36.3							
14	16	0	30.176	41.0	38.1							
15	13	0	30.146	43.0	40.5							
16	10	0	30.124	44.2	42.0							
16	58	0	30.112	46.0	44.5							
18	28	0	30.104	46.6	44.7							
21	20	0	30.084	45.1	43.1							
21	56	0	30.072	43.0	40.3							
5	2	0	30.000	42.2	34.0							
6	6	0	29.986	36.8	34.0							
14	20	10	29.750	36.0	34.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	1 Pegasi	II	17 15.21	- 0.21	+10.26	19 28 5.68	46.328	+	20.7	62.9	21 17 . .		
2	β Tauri	II	19 46.27	- 0.22	+10.40	10 20 5.88	44.278	+	11.0	63.5	5 19 . .		
3	δ Orionis	II	26 42.42	- 0.24	+10.35	39 12 8.05	47.556	+	48.8	64.8	5 26 . .		
4	ε Orionis	II	30 56.91	- 0.25	+10.37	40 6 6.40	46.099	+	50.4	63.9	5 31 . .		
5	Neptune C, C. . . .	II	34 43.83	- 0.22	+10.38	16 52 6.15	46.424	+	18.2	63.9	5 34 53.99	+ 21 58 34.3	
6	α Orionis	II	49 33.79	- 0.23	+10.38	31 28 6.52	42.892	+	36.6	63.4	5 49 . .		
November 14, La.													
7	α Canum Venat. . . .	II	51 7.10	- 0.09	+10.61	359 58 4.55	50.196	+	0.1	63.5	12 51 . .		
8	α Virginis.	II	19 41.36	- 0.20	+10.58	49 28 6.35	45.549	+	9.4	64.0	13 19 . .		
9	α Ursæ Minoris s. p.	6	22 45.23	- 1.13	[+14.33]	307 38 9.92	48.065	-	16.5	[64.5]	1 22 . .		
10	η Bootis.	II	49 41.48	- 0.13	+10.53	19 56 5.75	47.481	+	21.5	64.7	13 49 . .		
11	α Bootis.	II	10 52.17	- 0.13	+10.50	19 8 6.15	46.708	+	20.6	65.2	14 11 . .		
November 15, La.													
12	Sun I, N.	II	22 39.96	- 0.22	+10.55	57 12 8.52	43.572	+	1 31.3	64.7	15 22 50.29	+68.67	- 18 21 44.2
13	Sun II, S.	II	24 57.29	- 0.22	+10.55	57 44 8.05	44.602	+	1 33.2	64.7	15 25 7.62	-68.66	- 18 54 7.5
14	Venus I, N.	IO	0 32.58	- 0.25	+10.55	65 54 6.68	43.668	+	2 10.8	64.7	17 0 42.88	+ 2.14	- 27 4 24.7
15	μ Herculis.	II	42 19.06	- 0.11	+10.52	11 4 8.12	45.700	+	11.6	65.0	17 42 . .		
16	α Lyre	II	33 19.75	- 0.09	+10.57	0 10 8.00	44.244	+	0.2	65.3	18 33 . .		
17	α Capricorni. . . .	IO	12 16.94	- 0.20	+10.45	51 42 4.12	43.749	+	1 14.6	65.1	20 12 . .		
18	μ Aquarii	II	47 2.29	- 0.19	+10.60	48 12 6.02	44.819	+	1 6.1	64.4	20 47 . .		
19	B. D. -5°, 5440. . .	II	56 23.36	- 0.18	+10.55	43 54 6.75	45.082	+	56.9	64.7	20 56 33.73	- 3.47	- 5 3 38.2
20	Lalande 41356. . . .	II	12 59.99	- 0.18	+10.56	42 56 6.30	46.839	+	55.1	64.7	21 13 10.37	- 3.54	- 4 6 9.6
21	Schjellerup 8624. . .	9	15 4.73	- 0.18	+10.56	42 44 7.02	44.458	+	54.7	64.7	21 15 15.11	- 3.55	- 3 53 24.3
22	β Aquarii	II	26 4.40	- 0.18	+10.82	44 52 5.60	42.591	+	59.0	64.5	21 26 . .		-18.5
23	ε Aquarii	II	32 12.93	- 0.19	+10.35	47 8 2.85	47.242	+	1 3.9	65.3	21 32 . .		-20.1
24	ε Piscium	II	57 33.05	- 0.22	+10.77	31 30 6.68	44.244	+	36.7	64.1	0 57 . .		-20.3
25	α Ursæ Minoris . . .	IO	22 50.57	- 2.51	[+10.23]	310 6 5.08	45.501	-	1 10.7	[65.3]	1 22 . .		
26	o Piscium	II	39 54.93	- 0.22	+10.57	30 12 8.30	43.718	+	34.9	64.7	1 40 . .		
November 18, B.													
27	α Bootis.	II	10 52.15	- 0.17	+10.62	19 8 5.78	46.818	+	19.8	65.0	14 11 . .		
28	ρ Bootis.	8	27 17.27	- 0.17	+10.67	8 2 4.85	46.468	+	8.1	66.4	14 27 . .		
29	ε Bootis.	II	40 23.22	- 0.17	+10.66	11 20 4.32	48.899	+	11.4	65.2	14 40 . .		
November 19, B.													
30	Sun I, S.	II	39 15.64	- 0.21	+10.60	58 42 7.75	44.742	+	1 32.4	65.8	15 39 26.03	+69.09	- 19 52 5.8
31	Sun II, N.	II	41 33.82	- 0.21	+10.60	58 10 9.22	43.325	+	1 30.5	65.8	15 41 44.21	-69.09	- 19 19 40.4
32	β Herculis.	II	25 41.39	- 0.17	+10.53	17 8 7.08	46.368	+	17.4	65.6	16 25 . .		
33	ζ Ophiuchi	II	31 24.75	- 0.19	+10.53	49 12 7.90	45.002	+	1 5.3	66.6	16 31 . .		
34	Venus I, N.	II	56 7.50	- 0.22	+10.55	65 10 10.50	45.859	+	2 1.4	65.8	16 56 17.83	+ 2.23	- 26 21 0.0
35	α Herculis.	II	9 51.32	- 0.17	+10.60	24 20 4.80	46.824	+	25.6	65.9	17 10 . .		
36	μ Aquarii	II	47 2.34	- 0.19	+10.50	48 12 9.20	44.841	+	1 3.8	65.6	20 47 . .		
37	ζ Cygni.	II	8 28.00	- 0.17	+10.53	9 2 9.02	45.426	+	9.1	64.7	21 8 . .		
38	Moon I, S.	II	14 53.21	- 0.20	+10.48	52 22 10.28	48.943	+	1 14.2	64.8	21 15 3.49	+68.68	- 13 33 12.9
39	β Aquarii	II	26 4.72	- 0.19	+10.46	44 52 10.18	42.421	+	57.0	63.6	21 26 . .		
40	ε Aquarii	II	32 12.81	- 0.19	+10.42	47 8 7.75	47.110	+	1 1.8	65.4	21 32 . .		
41	11 Orionis	II	58 39.49	- 0.18	+10.53	23 34 10.52	47.996	+	25.4	65.2	4 58 . .		
42	β Tauri	II	19 46.15	- 0.18	+10.59	10 20 4.48	44.368	+	10.6	63.6	5 19 . .		
43	δ Orionis	II	26 42.26	- 0.20	+10.58	39 12 10.05	47.576	+	47.4	65.1	5 26 . .		
44	ε Orionis	II	30 56.79	- 0.20	+10.54	40 6 11.00	46.128	+	48.9	65.4	5 31 . .		
45	Neptune C, C. . . .	II	34 12.63	- 0.18	+10.56	16 52 8.42	47.595	+	17.7	64.8	5 34 23.01		+ 21 58 11.0
Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d h m	in.	°	°						' "	' "	"	' "	
14 21 19	29.790	47.1	45.7	9.	Bisections at C ₂ , C ₁ , B ₃ , B ₂ , B ₁ .	5	+	0.1	. . .	. . .	. . .	+ 0.1	
5 15	29.926	39.3	37.5	12, 28, 30, 44.	Bisections at I, II.	12	+	7.5	-16 11.6	. . .	. . .	-16 4.1	
5 48	29.934	39.2	37.0	13, 31.	Bisections at VI, VII.	13	+	7.6	+16 11.6	. . .	. . .	+16 19.2	
12 55	30.060	43.0	41.7	25.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	14	+	26.7	- 28.3	. . .	. . .	- 1.6	
13 38	30.078	45.4	43.8	32.	Bisections at II, VI, VII.	30	+	7.6	+16 12.7	. . .	. . .	+16 20.3	
14 14	30.082	46.8	45.0	38.	Bisections at II, III, IV, V, VI.	31	+	7.6	-16 12.7	. . .	. . .	-16 5.1	
15 25	30.064	47.1	46.1			34	+	27.9	- 29.8	. . .	. . .	- 1.9	
16 34	30.050	48.9	47.6			38	+	42.6	+16 8.3	. . .	. . .	+62 50.9	
17 8	30.046	49.9	47.4			45	+	0.1	. . .	. . .	. . .	+ 0.1	
17 50	30.036	48.7	46.6										
18 48	30.044	48.1	46.9										
20 20	30.034	46.2	45.0										
21 38	30.038	44.0	42.7										
1 1	30.046	40.2	39.1										
1 50	30.048	40.4	38.4										
18 14 5	29.290	49.8	49.7										
14 48	29.282	52.8	52.9										
15 42	29.276	55.2	55.8										
16 34	29.266	55.1	54.9										
17 15	29.294	56.0	55.3										
20 31	29.402	52.0	51.7										
21 22	29.440	50.8	49.7										
21 40	29.450	50.2	49.3										
4 55	29.578	46.2	45.9										
5 41	29.598	46.4	46.1										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.	
				Instrument.	Clock.									
November 20, S.														
1	B. D. — 4°, 5393.	II	m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"	
2	Lalande 41356	II	7 46.84	— 0.23	+10.65	43 16 5.95	43.462	+ 55.0	63.1	21 7 57.26	— 3.47	— 4 25 4.6	—19.3	
3	B. D. — 3°, 5196.	II	18 32.35	— 0.23	+10.65	42 42 7.95	43.064	+ 53.8	63.1	21 18 42.77	— 3.52	— 3 47 45.8	—20.3	
4	β Aquarii	II	26 4.57	— 0.23	+10.64	44 52 7.52	42.400	+ 58.2	62.3	21 26 . . .	. . .	. . .	. . .	
5	ξ Aquarii	II	32 12.62	— 0.24	+10.64	47 8 5.55	47.020	+ I 3.1	63.4	21 32 . . .	. . .	. . .	. . .	
6	α Aquarii	II	0 25.96	— 0.22	+10.68	39 40 7.10	41.961	+ 48.6	63.9	22 0 . . .	. . .	. . .	. . .	
7	Moon I, S.	II	8 54.78	— 0.25	+10.66	46 42 7.12	47.530	+ I 2.2	63.1	22 9 5.19	+66.75	— 7 52 32.4	. . .	
8	η Aquarii	II	30 0.35	— 0.22	+10.65	39 28 6.88	47.104	+ 48.4	63.4	22 30 . . .	. . .	. . .	. . .	
9	λ Aquarii	II	47 11.20	— 0.24	+10.69	46 58 5.98	42.522	+ I 3.0	62.5	22 47 . . .	. . .	. . .	. . .	
November 20, K.														
10	α Ursæ Minoris s. P.	4	22 42.62	— 0.39	[+13.47]	307 38 2.32	48.658	— I 16.8	[65.4]	I 22 . . .	. . .	. . .	. . .	
11	η Bootis	II	49 41.22	— 0.05	+10.82	19 56 7.42	47.491	+ 21.6	65.0	13 49 . . .	. . .	. . .	. . .	
12	α Bootis	II	10 51.87	— 0.04	+10.80	19 8 6.68	46.760	+ 20.6	65.0	14 11 . . .	. . .	. . .	. . .	
13	ρ Bootis	II	27 17.00	— 0.03	+10.85	8 2 10.55	46.048	+ 8.4	65.0	14 27 . . .	. . .	. . .	. . .	
14	ε Bootis	II	40 22.96	— 0.03	+10.81	11 20 6.65	48.794	+ 11.9	65.4	14 40 . . .	. . .	. . .	. . .	
November 21, K.														
15	Sun I, N.	II	47 38.05	— 0.12	+10.80	58 36 12.75	45.622	+ I 35.8	65.5	15 47 48.73	+69.30	— 19 46 31.3	. . .	
16	Sun II, S.	II	49 56.65	— 0.12	+10.80	59 8 13.82	46.618	+ I 37.9	65.5	15 50 7.33	—69.30	— 20 18 55.8	. . .	
17	Venus I, N.	II	52 56.91	— 0.14	+10.79	64 42 8.02	48.920	+ 2 3.0	65.5	16 53 7.56	+ 2.27	— 25 53 58.1	. . .	
18	Mercury I, C.	II	4 8.98	— 0.14	+10.79	64 0 6.28	48.938	+ I 59.1	65.5	17 4 19.63	+ 0.20	— 25 11 52.8	. . .	
19	α ¹ Herculis	9	9 51.08	— 0.05	+10.72	24 20 8.25	46.621	+ 26.4	65.9	17 10 . . .	. . .	. . .	. . .	
20	α Ophiuchi	II	30 3.33	— 0.06	+10.78	26 12 10.70	47.356	+ 28.7	66.4	17 30 . . .	. . .	. . .	. . .	
21	α Lyrae	II	33 19.35	— 0.02	+10.83	0 10 8.35	44.310	+ 0.2	65.6	18 33 . . .	. . .	. . .	. . .	
22	ε Delphini	II	28 12.54	— 0.06	+10.81	27 54 12.18	41.848	+ 30.9	64.8	20 28 . . .	. . .	. . .	. . .	
23	μ Aquarii	II	47 1.95	— 0.10	+10.77	48 12 5.08	44.961	+ I 5.2	65.1	20 47 . . .	. . .	. . .	. . .	
24	B. D. — 5°, 5440.	II	56 23.05	— 0.09	+10.76	43 54 7.82	45.180	+ 56.1	64.8	20 56 33.72	— 3.41	— 5 3 40.2	—18.1	
25	B. D. — 4°, 5393.	II	7 46.60	— 0.09	+10.76	43 16 4.75	43.554	+ 54.9	64.8	21 7 57.27	— 3.46	— 4 25 4.8	—19.2	
26	B. D. — 3°, 5196.	II	18 31.99	— 0.08	+10.76	42 42 6.72	43.238	+ 53.8	64.8	21 18 42.67	— 3.50	— 3 47 46.2	—20.2	
27	ξ Aquarii	II	32 12.43	— 0.10	+10.69	47 8 6.05	47.142	+ I 3.0	65.3	21 32 . . .	. . .	. . .	. . .	
28	η Aquarii	II	30 0.10	— 0.13	+10.80	39 28 8.48	47.095	+ 48.3	64.6	22 30 . . .	. . .	. . .	. . .	
29	ζ Pegasi	II	36 15.55	— 0.11	+10.80	28 32 9.40	46.065	+ 31.9	64.9	22 36 . . .	. . .	. . .	. . .	
30	λ Aquarii	II	47 11.06	— 0.15	+10.72	46 58 8.22	42.542	+ I 2.8	64.7	22 47 . . .	. . .	. . .	. . .	
31	α Pegasi	II	59 34.01	— 0.10	+10.74	24 12 7.22	41.878	+ 26.4	65.1	22 59 . . .	. . .	. . .	. . .	
32	Moon I, S.	II	0 30.61	— 0.14	+10.78	40 46 8.98	39.290	+ 50.7	64.8	23 0 41.25	+65.52	— 1 56 58.2	. . .	
33	α Ursæ Minoris	5	22 45.58	+ 1.46	[+ 8.36]	310 6 . . .	. . .	. . .	. . .	I 22 . . .	. . .	. . .	. . .	
34	ο Piscium	II	39 54.51	— 0.12	[+10.87]	30 12 8.20	43.719	+ 34.4	63.9	I 40 . . .	. . .	. . .	. . .	
35	β Tauri	II	19 45.63	— 0.08	+11.07	10 20 8.98	44.142	+ 10.9	64.0	5 19 . . .	. . .	. . .	. . .	
36	δ Orionis	II	26 41.73	— 0.13	+11.07	39 12 4.62	47.836	+ 48.4	65.3	5 26 . . .	. . .	. . .	. . .	
37	ε Orionis	II	30 56.25	— 0.14	+11.06	40 6 9.22	46.029	+ 49.9	63.8	5 31 . . .	. . .	. . .	. . .	
38	Neptune C, C.	II	33 59.21	— 0.09	+11.07	16 52 8.65	48.025	+ 18.0	64.4	5 34 10.19	. . .	+ 21 58 1.8	. . .	
November 22, S.														
39	α Bootis	II	10 51.51	— 0.07	+11.23	19 8 5.98	46.782	+ 20.6	64.2	14 11 . . .	. . .	. . .	. . .	
November 23, S.														
40	Sun I, N.	II	56 3.30	— 0.18	+11.30	59 0 11.05	49.865	+ I 39.1	65.4	15 56 14.42	+69.42	— 20 11 54.4	. . .	
41	Sun II, S.	II	58 22.14	— 0.18	+11.30	59 32 11.02	50.918	+ I 41.3	65.4	15 58 33.26	—69.42	— 20 44 19.0	. . .	
42	Venus I, N.	II	49 12.38	— 0.20	+11.33	64 12 5.78	47.578	+ 2 2.9	65.4	16 49 23.51	+ 2.31	— 25 23 30.1	. . .	
43	α ¹ Herculis	II	9 50.49	— 0.08	+11.34	24 20 6.98	46.652	+ 27.0	65.4	17 10 . . .	. . .	. . .	. . .	
44	Mercury C, C.	II	16 30.03	— 0.20	+11.35	64 20 6.28	43.292	+ 2 3.3	65.4	17 16 41.18	+ 0.03	— 25 30 8.9	. . .	
45	α Ophiuchi	II	30 2.74	— 0.09	+11.40	26 12 6.92	47.520	+ 29.3	66.0	17 30 . . .	. . .	. . .	. . .	
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.						No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°								' "	' "	"	' "
20 21 23	29.888	48.2	47.0	1, 15, 31, 40.	Bisections at I, II.					7	+42 29.3	+15 58.9	. . .	+58 28.2
22 23	29.902	46.9	46.1	2.	Bisections at II, VI.					15	+ 7.6	—16 12.2	. . .	—16 4.6
22 55	29.902	45.4	44.0	3, 26.	Z. D. thread B used.					16	+ 7.7	+16 12.2	. . .	+16 19.9
13 29	30.024	43.0	40.6	4, 5.	Bisections at II, VI, VII.					17	+ 28.5	— 30.5	. . .	— 2.0
14 12	30.036	46.0	43.3	7.	Bisections at II, III, IV, V, VI.					18	+ 6.4	. . .	— 0.1	+ 6.3
14 38	30.030	47.2	44.7	10.	Bisections at C ₁ , B ₃ , B ₂ , B ₁ .					32	+37 43.6	+15 49.2	. . .	+53 32.8
15 50	30.006	49.6	48.2	16, 41.	Bisections at VI, VII.					38	+ 0.1	. . .	. . .	+ 0.1
16 54	29.986	51.4	50.6	32.	Bisections at III, IV, V. Z. D. thread A used.					40	+ 7.7	—16 12.3	. . .	—16 4.6
17 43	29.978	53.7	51.8							41	+ 7.7	+16 12.3	. . .	+16 20.0
18 36	29.970	54.2	52.7							42	+ 28.9	— 31.1	. . .	— 2.2
20 30	29.968	51.8	50.7							44	+ 6.6	. . .	— 0.1	+ 6.5
21 25	29.970	50.6	49.1											
22 32	29.972	49.0	47.9											
22 57	29.980	48.2	47.0											
1 27	29.960	45.1	43.9											
5 36	29.950	43.2	41.9											
22 14 12	29.844	39.6	39.8											
23 15 58	29.814	38.2	36.8											
16 52	29.804	39.2	37.1											

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	μ Herculis	11	42 18.09	- 0.06	+11.40	11 4 5.62	45.935	+ 11.7	65.3	17 42 . .	.	.	.
2	η Serpentis	8	15 53.30	- 0.12	+11.33	41 46 6.00	44.858	+ 53.1	66.2	18 16 . .	.	.	.
	November 24, Br.												
3	η Piscium	11	25 55.02	- 0.06	+11.36	24 2 6.85	42.434	+ 27.0	64.8	1 26 . .	.	.	.
4	Moon I, S.	11	32 9.15	- 0.06	+11.31	24 26 4.90	44.887	+ 27.6	64.6	1 32 20.40	+65.94	+ 14 24 56.6	.
5	β Arietis	11	48 54.08	- 0.06	+11.32	18 32 6.30	44.809	+ 20.4	64.7	1 49 . .	.	.	.
6	α Arietis	11	1 19.33	- 0.05	+11.29	15 52 6.38	44.208	+ 17.3	64.4	2 1 . .	.	.	.
7	ξ Ceti	11	7 29.34	- 0.07	+11.28	30 28 7.22	45.610	+ 35.7	64.6	2 7 . .	.	.	.
8	β Tauri	11	19 45.44	- 0.05	+11.29	10 20 6.70	44.283	+ 11.2	65.3	5 19 . .	.	.	.
9	δ Orionis	11	26 41.50	- 0.08	+11.30	39 12 8.12	47.614	+ 49.8	65.5	5 26 . .	.	.	.
10	Neptune C, C.	11	33 39.03	- 0.05	+11.31	16 54 7.08	42.602	+ 18.6	65.3	5 33 50.29	.	+ 21 57 47.7	.
11	α Orionis	11	49 32.90	- 0.07	+11.33	31 28 7.65	42.920	+ 37.4	64.9	5 49 . .	.	.	.
12	ν Orionis	11	1 39.05	- 0.06	+11.34	24 4 8.05	44.982	+ 27.3	65.4	6 1 . .	.	.	.
	November 24, K.												
13	α Ursæ Minoris s. p.	3	22 39.93	+ 2.51	+11.13	307 38 5.12	48.517	- 1 18.8	[64.6]	1 22 . .	.	.	.
14	ζ Virginis	11	29 21.14	- 0.04	+11.34	38 54 10.62	48.818	+ 49.3	65.2	13 29 . .	.	.	.
15	η Bootis	9	49 40.75	- 0.03	+11.36	19 56 8.12	47.500	+ 22.2	65.5	13 49 . .	.	.	.
16	α Bootis	11	10 51.36	- 0.03	+11.37	19 8 2.80	46.971	+ 21.2	64.8	14 11 . .	.	.	.
17	ϵ Bootis	11	40 22.46	- 0.03	+11.38	11 20 8.95	48.715	+ 12.3	65.5	14 40 . .	.	.	.
	November 25, K.												
18	Sun I, S.	11	4 31.89	- 0.06	+11.35	59 58 8.62	44.345	+ 1 44.6	65.4	16 4 43.18	+69.71	- 21 8 11.6	.
19	Sun II, N.	11	6 51.31	- 0.06	+11.35	59 26 9.82	42.830	+ 1 42.3	65.4	16 7 2.60	-69.71	- 20 35 43.7	.
20	Venus I, N.	11	45 0.46	- 0.06	+11.35	63 38 3.92	48.629	+ 2 1.8	65.4	16 45 11.75	+ 2.33	- 24 49 47.4	.
21	Mercury I, C.	11	28 36.65	- 0.07	+11.34	64 32 3.12	45.639	+ 2 6.4	65.4	17 28 47.92	+ 0.21	- 25 42 53.8	.
22	μ Herculis	11	42 18.11	- 0.03	+11.34	11 4 . .	.	.	.	17 42 . .	.	.	.
23	η Serpentis	9	15 53.25	- 0.04	+11.29	41 46 5.48	44.890	+ 53.9	66.9	18 16 . .	.	.	.
24	α Lyrae	11	33 18.76	- 0.03	+11.38	0 10 5.92	44.444	+ 0.2	64.9	18 33 . .	.	.	.
25	μ Aquarii	11	47 1.30	- 0.04	+11.32	48 12 8.00	44.720	+ 1 7.5	65.5	20 47 . .	.	.	.
26	B. D. -4°, 5393	11	7 45.99	- 0.04	+11.30	43 16 8.38	43.221	+ 56.9	65.4	21 7 57.25	- 3.39	- 4 25 3.4	-19.0
27	B. D. -3°, 5196	11	18 31.35	- 0.04	+11.29	42 42 3.58	43.321	+ 55.7	65.4	21 18 42.60	- 3.44	- 3 47 46.0	-19.9
28	B. D. -3°, 5234	11	26 49.53	- 0.04	+11.28	42 2 3.85	45.950	+ 54.6	65.4	21 27 0.77	- 3.47	- 3 11 48.9	-20.7
29	B. D. -3°, 5241	11	28 1.33	- 0.04	+11.28	42 2 3.85	43.048	+ 54.4	65.4	21 28 12.57	- 3.48	- 3 7 39.7	-20.8
30	ξ Aquarii	11	32 11.74	- 0.04	+11.27	47 8 3.45	47.130	+ 1 5.2	64.5	21 32 . .	.	.	.
31	β Arietis	8	48 54.16	+ 0.04	+11.14	18 32 6.78	44.592	+ 20.4	62.4	1 49 . .	.	.	.
32	α Arietis	11	1 19.27	+ 0.04	+11.26	15 52 8.25	44.046	+ 17.3	63.2	2 1 . .	.	.	.
33	Moon I, S.	11	24 33.95	+ 0.04	+11.16	20 16 7.10	48.062	+ 22.5	63.4	2 24 45.15	+66.89	+ 18 33 57.3	.
34	γ Ceti	11	37 54.71	+ 0.05	+11.10	36 2 5.72	44.576	+ 44.3	64.6	2 38 . .	.	.	.
	November 27, S.												
35	η Tauri	11	41 20.45	+ 0.12	+10.39	15 4 7.02	42.850	+ 16.3	62.7	3 41 . .	.	.	.
36	ζ Persei	11	47 38.70	+ 0.10	+10.45	7 16 6.35	45.051	+ 7.8	63.0	3 47 . .	.	.	.
37	Moon I, N.	11	13 37.25	+ 0.12	+10.42	14 42 9.85	47.196	+ 15.9	63.2	4 13 47.79	+68.23	+ 24 8 17.6	.
38	Moon II	11	15 53.70	+ 0.12	+10.42	14 58 . .	.	.	.	4 16 4.24	-68.22	.	.
39	ϵ Tauri	11	22 34.73	+ 0.13	+10.42	19 54 10.42	43.090	+ 21.9	63.1	4 22 . .	.	.	.
40	η Orionis	11	58 39.44	+ 0.14	+10.40	23 34 6.82	48.030	+ 26.5	63.4	4 58 . .	.	.	.
41	β Tauri	11	19 46.23	+ 0.11	+10.40	10 20 6.40	44.205	+ 11.1	63.6	5 19 . .	.	.	.
42	Neptune C, C.	11	33 19.35	+ 0.12	+10.41	16 54 6.60	43.386	+ 18.4	63.2	5 33 29.88	.	+ 21 57 31.3	.
43	α Orionis	11	49 33.65	+ 0.16	+10.42	31 28 7.28	42.881	+ 37.1	63.2	5 49 . .	.	.	.
	November 29, S.												
44	ϵ Bootis	11	40 41.12	+ 0.12	- 7.34	11 20 5.78	48.899	+ 11.8	63.8	14 40 . .	.	.	.
45	α Coronæ Borealis	11	30 31.08	+ 0.12	- 7.34	11 48 5.42	44.776	+ 12.3	63.7	15 30 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
23 17 49	29.803	40.4	37.9	4.	Bisections at III, IV, V.	4	+23 8.8	+15 22.0	.	+38 30.8
23 18 21	29.800	40.0	38.1	8, 40, 41.	Bisections at II, VI, VII.	10	+ 0.1	.	.	+ 0.1
24 1 54	29.928	32.8	31.1	13.	Bisections at C ₃ , C ₂ , C ₁ .	18	+ 7.7	+16 13.9	.	+16 21.6
24 2 14	29.940	32.5	30.8	14, 19, 31.	Bisections at VI, VII.	19	+ 7.7	-16 14.0	.	-16 6.3
24 5 11	29.948	29.9	28.2	18.	Bisections at I, II.	20	+ 29.2	- 31.5	.	- 2.3
24 5 39	29.950	29.5	28.0	27, 29.	Z. D. thread B used.	21	+ 6.8	.	0.1	+ 6.7
24 13 31	30.050	30.6	29.0	28, 29.	Bisections at II, VI.	33	+19 12.7	+15 14.1	.	+34 26.8
24 14 13	30.052	32.0	30.1	33, 37.	Bisections at II, III, IV, V, VI.	37	+13 49.5	-15 0.0	.	- 1 10.5
24 14 42	30.060	32.6	31.2			42	+ 0.1	.	.	+ 0.1
25 16 7	30.050	34.4	32.7							
25 16 47	30.030	34.8	33.2							
25 17 44	30.020	36.6	33.9							
25 18 35	30.014	36.3	34.3							
25 20 49	29.990	34.3	33.4							
25 21 38	29.972	32.3	32.0							
25 1 49	29.984	29.8	30.0							
27 2 35	29.970	29.4	29.1							
27 3 37	29.800	30.6	30.0							
27 4 29	29.788	30.0	29.4							
27 5 8	29.811	29.9	29.4							
27 5 55	29.825	29.8	29.0							
29 14 44	29.395	39.2	38.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Serpentis November 30, S.	11	39 24.14	+ 0.16	- 7.36	32 6 7.18	45.444	+ 36.7	64.6	15 39 . .	. .		. .
2	Sun I, N.	11	26 15.19	+ 0.20	- 7.39	60 18 7.75	45.378	+ 1 42.3	63.8	16 26 8.00	+ 70.13	- 21 28 29.8	. .
3	Sun II, S.	11	28 35.45	+ 0.20	- 7.39	60 50 12.10	46.412	+ 1 44.5	63.8	16 28 28.26	- 70.13	- 22 0 58.5	. .
4	α^1 Herculis	11	10 9.08	+ 0.15	- 7.45	24 20 12.12	46.368	+ 26.4	63.2	17 10 . .	. .		. .
5	α Ophiuchi	11	30 21.33	+ 0.15	- 7.42	26 12 5.88	47.560	+ 28.7	63.9	17 30 . .	. .		. .
6	μ Herculis	11	42 36.72	+ 0.12	- 7.42	11 4 4.75	45.932	+ 11.4	62.9	17 42 . .	. .		. .
7	Mercury C, C.	11	57 20.99	+ 0.21	- 7.45	64 38 6.40	48.094	+ 2 2.3	63.8	17 57 13.75	+ 0.06	- 25 49 41.6	. .
8	ζ Aquilæ	11	0 52.92	+ 0.15	- 7.49	25 8 7.10	44.929	+ 27.3	64.3	19 0 . .	. .		. .
9	β Tauri	11	20 4.25	+ 0.11	- 7.56	10 20 6.88	44.155	+ 10.8	62.8	5 19 . .	. .		. .
10	Neptune C, C.	11	33 16.49	+ 0.02	- 7.45	16 54 6.62	44.131	+ 18.0	63.9	5 33 9.06	. .	+ 21 57 18.1	. .
11	α Orionis	11	49 51.67	+ 0.02	- 7.40	31 28 7.42	42.959	+ 36.2	63.6	5 49 . .	. .		. .
12	ν Orionis	11	1 57.81	+ 0.02	- 7.37	24 4 7.08	45.018	+ 26.4	63.8	6 1 . .	. .		. .
13	μ Geminorum	11	17 0.67	+ 0.02	- 7.46	16 16 6.62	48.425	+ 17.3	63.8	6 16 . .	. .		. .
14	Moon II, S.	11	59 27.08	+ 0.02	- 7.44	17 0 7.05	47.311	+ 18.2	63.9	6 59 19.66	- 66.22	+ 21 50 16.6	. .
15	ϕ Geminorum	11	47 23.40	+ 0.01	- 7.43	11 48 7.00	49.889	+ 12.5	64.4	7 47 . .	. .		. .
16	η Cancri	11	27 1.20	+ 0.02	- 7.41	18 4 5.98	45.072	+ 19.4	63.1	8 26 . .	. .		. .
17	ϵ Hydræ	11	41 34.57	+ 0.02	- 7.44	32 2 7.10	49.286	+ 37.2	65.0	8 41 . .	. .		. .
18	Mars I, S.	6	45 32.28	+ 0.02	- 7.43	18 8 6.02	46.382	+ 19.5	63.9	8 45 24.87	+ 0.49	+ 20 42 34.1	. .
19	Mars II, N.	5	45 33.34	+ 0.02	- 7.43	18 8 6.02	45.665	+ 19.5	63.9	8 45 25.93	- 0.57	+ 20 42 47.7	. .
20	κ Cancri November 30, I.	11	2 25.46	+ 0.02	- 7.45	27 46 7.82	46.140	+ 31.3	64.5	9 2 . .	. .		. .
21	α Ursæ Minoris S. P.	8	22 45.65	+ 11.90	[- 6.96]	307 38 4.95	48.466	- 1 16.4	[64.1]	1 22 . .	. .		. .
22	η Bootis	11	49 59.75	- 0.15	- 7.38	19 56 8.60	47.500	+ 21.5	63.7	13 49 . .	. .		. .
23	α Bootis	11	11 10.53	- 0.15	- 7.54	19 8 8.22	46.804	+ 20.5	64.6	14 11 . .	. .		. .
24	ϵ Bootis	11	40 41.64	- 0.18	- 7.54	11 20 7.00	48.840	+ 11.8	63.5	14 40 . .	. .		. .
25	β Libræ December 1, I.	11	11 41.44	- 0.08	- 7.59	47 50 6.92	47.696	+ 1 4.3	63.5	15 11 . .	. .		. .
26	Sun I, S.	5	30 34.47	- 0.07	- 7.56	61 0 6.10	44.815	+ 1 44.5	64.0	16 30 26.84	+ 70.48	- 22 10 19.6	. .
27	Sun II, N.	11	32 55.43	- 0.07	- 7.56	60 28 5.85	43.170	+ 1 42.3	64.0	16 32 47.80	- 70.48	- 21 37 47.6	. .
28	α^1 Herculis	11	10 9.53	- 0.13	- 7.62	24 20 7.50	46.655	+ 26.3	63.8	17 10 . .	. .		. .
29	α Ophiuchi	11	30 21.78	- 0.13	- 7.59	26 12 6.62	47.525	+ 28.6	64.2	17 30 . .	. .		. .
30	μ Herculis	11	42 37.13	- 0.18	- 7.53	11 4 5.08	46.001	+ 11.4	63.7	17 42 . .	. .		. .
31	Mercury C, C.	11	2 33.13	- 0.06	- 7.58	64 36 6.45	45.200	+ 2 1.8	64.0	18 2 25.49	+ 0.07	- 25 46 45.5	. .
32	η Serpentis	11	16 12.18	- 0.10	- 7.58	41 46 5.40	44.912	+ 51.8	64.7	18 16 . .	. .		. .
33	ϵ Piscium	11	57 51.32	- 0.02	[- 7.79]	31 30 6.78	44.269	+ 36.5	[63.8]	0 57 . .	. .		. .
34	α Ursæ Minoris	8	23 1.50	- 3.92	[- 7.33]	310 6 4.08	45.229	- 1 10.3	[64.7]	1 22 . .	. .		. .
35	α Canis Minoris	11	34 10.58	- 0.02	- 7.81	33 22 6.88	43.832	+ 39.8	63.9	7 34 . .	. .		. .
36	β Geminorum	11	39 17.97	- 0.04	- 7.71	10 34 5.25	48.190	+ 11.3	63.4	7 39 . .	. .		. .
37	Moon II, S.	11	50 24.55	- 0.03	- 7.71	19 52 6.95	45.234	+ 21.9	63.2	7 50 16.81	- 64.81	+ 18 58 52.1	. .
38	η Cancri	11	27 1.54	- 0.03	- 7.67	18 4 5.50	45.052	+ 19.8	62.5	8 26 . .	. .		. .
39	Mars I, N.	6	46 0.50	- 0.03	- 7.71	18 8 6.95	42.838	+ 19.9	63.2	8 45 52.76	+ 0.43	+ 20 43 40.0	. .
40	Mars II, S.	5	46 1.42	- 0.03	- 7.71	18 8 6.95	43.500	+ 19.9	63.2	8 45 53.68	- 0.49	+ 20 43 27.1	. .
41	κ Cancri December 1, K.	11	2 25.72	- 0.02	- 7.64	27 46 7.35	46.074	+ 32.0	63.2	9 2 . .	. .		. .
42	α Virginis	11	19 59.57	+ 0.01	- 7.40	49 28 4.02	45.761	+ 1 10.9	65.0	13 19 . .	. .		. .
43	α Ursæ Minoris S. P.	5	22 51.96	+ 4.02	[- 6.08]	307 38 4.95	48.670	- 1 18.2	[63.9]	1 22 . .	. .		. .
44	ζ Virginis	11	29 40.05	+ 0.01	- 7.44	38 54 3.72	49.348	+ 48.9	65.4	13 29 . .	. .		. .
45	η Bootis	11	49 59.62	0.00	- 7.38	19 56 5.82	47.685	+ 22.0	64.7	13 49 . .	. .		. .
46	α Bootis	11	11 10.24	0.00	- 7.38	19 8 7.18	46.792	+ 21.0	63.6	14 11 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h	m	in.	°	°					' "	' "	"	' "
29	15	42	29.389	40.0	38.9	2.	Bisections at I, II.		2	+	7.8	-16 14.3	-16 6.5
30	16	29	29.408	40.5	39.6	3, 27.	Bisections at VI, VII.		3	+	7.8	+16 14.4	+16 22.2
	17	32	29.412	41.7	41.5	6, 29.	Bisections at II, VI, VII.		7	+	7.4	. . .	+ 7.3
	18	28	29.422	44.0	43.2	9.	Bisections at I, VI, VII.		10	+	0.1	. . .	+ 0.1
	19	7	29.430	44.1	43.9	14, 37.	Bisections at II, III, IV, V, VI.		14	+	42.7	+14 46.6	+30 29.3
	5	16	29.430	34.3	35.0	18, 39.	Bisections at II, VI.		18	+	3.2	+ 6.8	+ 10.0
	6	22	29.548	35.4	36.9	19, 40.	Bisections at I, VII.		19	+	3.2	- 6.8	- 3.6
	7	4	29.552	35.4	35.8	21, 34.	Bisections at C ₃ , C ₄ , C ₃ , C ₁ .		26	+	7.8	+16 16.0	+16 23.8
	7	53	29.552	34.9	35.1	26.	Bisection at II.		27	+	7.8	-16 16.0	-16 8.2
	8	55	29.557	34.9	34.8	43.	Bisections at D ₃ , D ₂ , D ₁ .		31	+	7.6	. . .	+ 7.5
	13	17	29.632	37.0	36.1				37	+	18 14.6	+14 45.6	+33 0.2
	13	51	29.660	. . .	37.9				39	+	3.2	- 6.4	- 3.2
	14	12	29.660	42.0	39.8				40	+	3.2	+ 6.5	+ 9.7
	14	42	. . .	. . .	42.6								
	15	11	29.672	46.3	45.8								
	16	33	29.656	47.0	46.8								
	17	13	. . .	. . .	46.9								
	17	31	29.660	47.9	47.3								
	17	45	. . .	. . .	47.1								
	18	6	. . .	. . .	47.3								
	18	18	29.668	49.6	47.7								
	1	3	29.796	38.9	37.0								
	7	26	29.850	33.1	31.8								
	7	55	29.854	32.1	30.6								
	8	28	29.854	32.1	30.0								
	8	55	29.862	32.0	29.5								
	13	21	29.910	32.0	30.0								
	14	9	29.924	35.3	33.2								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	December 2, K.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, N.	11	34 54.05	0.00	- 7.42	60 36 10.22	45.842	+ 1 44.8	64.7	16 34 46.63	+ 70.35	- 21 46 42.7	. .
2	Sun II, S.	11	37 14.74	0.00	- 7.42	61 8 10.48	47.068	+ 1 47.1	64.7	16 37 7.32	- 70.35	- 22 19 11.2	. .
	December 5, La.												
3	η Cancri	11	27 1.66	+ 0.05	- 7.75	18 4 6.98	45.045	+ 19.8	63.3	8 26 . .	. .		. .
4	ε Hydrae	11	41 35.01	+ 0.05	- 7.76	32 2 8.52	49.151	+ 37.9	63.7	8 41 . .	. .		. .
5	Mars I, S.	6	47 21.88	+ 0.05	- 7.78	18 2 7.75	44.732	+ 19.7	63.2	8 47 14.15	+ 0.50	+ 20 49 3.1	. .
6	Mars II, N.	5	47 22.96	+ 0.05	- 7.78	18 2 7.75	43.960	+ 19.7	63.2	8 47 15.23	- 0.58	+ 20 49 17.7	. .
7	κ Cancri	11	2 25.91	+ 0.05	- 7.77	27 46 7.65	46.112	+ 31.9	63.5	9 2 . .	. .		. .
8	γ ¹ Leonis	11	14 33.25	+ 0.05	- 7.83	18 30 5.80	44.900	+ 20.3	62.2	10 14 . .	. .		. .
	December 6, Br.												
9	η Cancri	11	27 2.17	+ 0.03	- 8.21	18 4 6.55	45.098	+ 19.4	63.4	8 26 . .	. .		. .
10	ε Hydrae	11	41 35.52	+ 0.03	- 8.22	32 2 7.75	49.281	+ 37.2	64.5	8 41 . .	. .		. .
11	Mars I, N.	6	47 34.98	+ 0.03	- 8.21	18 0 6.65	44.260	+ 19.4	63.6	8 47 26.80	+ 0.35	+ 20 51 13.8	. .
12	Mars II, S.	5	47 35.74	+ 0.03	- 8.21	18 0 6.65	44.915	+ 19.4	63.6	8 47 27.56	- 0.41	+ 20 51 1.4	. .
13	κ Cancri	11	2 26.40	+ 0.03	- 8.21	27 46 7.68	46.131	+ 31.4	63.3	9 2 . .	. .		. .
14	α Hydrae	11	22 46.99	+ 0.01	- 8.18	47 4 7.38	43.375	+ 1 4.0	64.7	9 22 . .	. .		. .
15	δ Leonis	11	8 53.21	+ 0.03	- 8.12	17 46 7.50	46.658	+ 19.3	63.9	11 8 . .	. .		. .
16	δ Crateris	11	14 26.25	+ 0.01	- 8.12	53 4 0.12	44.802	+ 1 19.7	62.2	11 14 . .	. .		. .
17	υ Leonis	11	31 55.40	+ 0.02	- 8.12	39 6 8.25	46.566	+ 48.8	64.0	11 31 . .	. .		. .
18	Moon II, S.	11	44 44.86	+ 0.02	- 8.14	43 34 7.00	47.620	+ 57.2	63.6	11 44 36.74	- 63.44	- 4 44 28.5	. .
19	ο Virginis	11	0 12.55	+ 0.03	- 8.22	29 32 7.80	48.702	+ 34.1	63.1	12 0 . .	. .		. .
	December 6, S.												
20	α Bootis	11	11 11.05	+ 0.08	- 8.15	19 8 6.15	46.823	+ 20.9	62.2	14 11 . .	. .		. .
21	ρ Bootis	11	27 36.15	+ 0.08	- 8.08	8 2 6.12	46.405	+ 8.5	62.8	14 27 . .	. .		. .
22	ε Bootis	11	40 42.14	+ 0.08	- 8.17	11 20 6.68	49.008	+ 12.1	63.6	14 40 . .	. .		. .
23	α ² Libræ	11	45 25.10	+ 0.07	- 8.10	54 26 6.55	48.861	+ 1 23.7	62.9	14 45 . .	. .		. .
24	Venus II, S.	11	17 26.28	+ 0.06	- 8.18	59 38 5.62	47.778	+ 1 41.5	63.3	16 17 18.16	- 2.24	- 20 49 14.6	. .
	December 7, S.												
25	Sun I, N.	11	56 41.98	+ 0.06	- 8.20	61 14 5.72	46.075	+ 1 48.0	63.3	16 56 33.84	+ 70.69	- 22 24 47.2	. .
26	Sun II, S.	11	59 3.36	+ 0.06	- 8.20	61 46 4.30	47.348	+ 1 50.4	63.3	16 58 55.22	- 70.69	- 22 57 15.1	. .
27	Mercury C, C.	11	27 32.02	+ 0.06	- 8.25	63 50 5.70	45.949	+ 1 59.7	63.3	18 27 23.83	+ 0.11	- 25 0 57.7	. .
28	ζ Sagittarii	11	49 8.01	+ 0.06	- 8.32	65 14 5.45	46.782	+ 2 7.4	62.5	18 48 . .	. .		. .
29	α Aquilæ	11	0 53.67	+ 0.08	- 8.20	25 8 6.30	44.985	+ 27.7	63.7	19 0 . .	. .		. .
30	δ Aquilæ	11	20 32.23	+ 0.08	- 8.30	35 56 7.10	44.226	+ 42.8	64.1	19 20 . .	. .		. .
31	γ Aquilæ	11	41 35.30	+ 0.08	- 8.25	28 28 7.10	47.114	+ 32.1	64.3	19 41 . .	. .		. .
32	β Ceti	11	38 40.85	+ 0.11	- 8.40	57 22 5.75	45.676	+ 1 33.4	63.6	0 38 . .	. .		. .
33	ε Piscium	11	57 51.74	+ 0.09	- 8.37	31 30 7.48	44.181	+ 36.7	62.8	0 57 . .	. .		. .
34	β Andromedæ	8	4 14.35	+ 0.04	- 8.29	3 46 5.78	44.490	+ 4.0	63.0	1 4 . .	. .		. .
35	α Ursæ Minoris	8	22 59.45	- 6.13	[- 7.59]	310 6 4.48	45.102	- 1 10.7	[63.7]	1 22 . .	. .		. .
36	η Cancri	11	27 2.29	+ 0.13	- 8.40	18 4 6.95	45.038	+ 19.8	63.0	8 26 . .	. .		. .
37	ε Hydrae	11	41 35.62	+ 0.15	- 8.41	32 2 7.28	49.178	+ 38.0	62.6	8 41 . .	. .		. .
38	Mars I, S.	6	47 44.48	+ 0.13	- 8.43	17 58 7.20	44.390	+ 19.7	62.7	8 47 36.18	+ 0.46	+ 20 53 9.7	. .
39	Mars II, N.	5	47 45.46	+ 0.13	- 8.43	17 58 7.20	43.685	+ 19.7	62.7	8 47 37.16	- 0.52	+ 20 53 23.0	. .
40	κ Cancri	11	2 26.58	+ 0.14	- 8.47	27 46 7.40	46.094	+ 32.0	62.7	9 2 . .	. .		. .
41	α Hydrae	10	22 47.15	+ 0.16	- 8.46	47 4 7.08	43.255	+ 1 5.3	63.2	9 22 . .	. .		. .
42	β Leonis	11	44 3.39	+ 0.14	- 8.38	23 42 6.78	47.454	+ 26.9	62.1	11 43 . .	. .		. .
43	ο Virginis	11	0 12.65	+ 0.14	- 8.39	29 32 5.62	48.772	+ 34.7	62.0	12 0 . .	. .		. .
44	γ Corvi	11	10 45.31	+ 0.17	- 8.42	55 48 6.58	46.994	+ 1 30.0	62.8	12 10 . .	. .		. .
45	η Virginis	11	14 52.90	+ 0.16	- 8.31	38 56 7.18	47.712	+ 49.5	63.3	12 14 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
2 16 37	29.924	42.8	42.1	1, 22, 25.	Bisections at I, II.	1	+ 7.8	- 16 14.2	. .	- 16 6.4
5 8 32	29.760	31.2	29.6	2, 16, 26, 34.	Bisections at VI, VII.	2	+ 7.9	+ 16 14.2	. .	+ 16 22.1
5 9 7	29.820	31.4	29.7	5, 12, 38.	Bisections at II, VI.	5	+ 3.4	+ 7.3	. .	+ 10.7
6 10 17	29.800	30.2	29.2	6, 11, 39.	Bisections at I, VII.	6	+ 3.4	- 7.3	0.0	- 3.9
6 8 20	29.698	38.0	37.4	18.	Bisections at II, III, IV, V, VI.	11	+ 3.4	- 6.2	0.0	- 2.8
8 57	29.702	37.3	36.2	19, 20.	Bisections at II, VI, VII.	12	+ 3.4	+ 6.2	. .	+ 9.6
9 25	29.708	36.9	35.5	35.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	18	+ 38 33.0	+ 15 19.0	. .	+ 53 52.0
11 3	29.730	34.5	33.0			24	+ 28.2	+ 31.6	. .	+ 59.8
11 48	29.750	33.9	32.1			25	+ 7.9	- 16 13.9	. .	- 16 6.0
12 7	29.754	33.9	31.5			26	+ 7.9	+ 16 14.0	. .	+ 16 21.9
14 13	29.799	34.6	33.2			27	+ 8.6	. .	0.0	+ 8.6
14 50	29.811	36.4	34.9			38	+ 3.4	+ 6.7	. .	+ 10.1
16 21	29.796	38.5	37.0			39	+ 3.4	- 6.6	0.0	- 3.2
16 59	29.768	39.8	37.9							
18 33	29.749	41.7	41.2							
19 25	29.754	41.9	40.3							
19 49	29.765	42.0	40.1							
0 44	29.828	36.1	35.1							
1 30	29.836	35.5	35.5							
8 19	29.910	30.9	30.3							
9 28	29.919	29.8	28.8							
11 46	29.972	28.3	27.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Moon II, S. . . .	11	33 37.33	+ 0.16	- 8.39	49 2 6.52	43.707	+ 1 10.5	62.7	12 33 29.10	- 65.24	- 10 11 27.2	.
2	Virginis.	11	4 51.65	+ 0.16	- 8.47	43 50 6.65	46.060	+ 58.8	62.3	13 4 . .	.	.	.
3	Ursæ Minoris S. P. December 7, L.	5	22 49.00	+ 6.03	[- 9.64]	307 38 4.60	48.706	- 1 18.9	[64.0]	1 22 . .	.	.	.
4	Ursæ Minoris S. P.	6	22 49.65	+ 3.07	[- 7.33]	307 38 4.75	48.842	- 1 18.9	[64.9]	1 22 . .	.	.	.
5	Libræ.	11	45 25.55	+ 0.10	- 8.55	54 26 5.72	48.811	+ 1 25.0	62.3	14 45 . .	.	.	.
6	Coronæ Borealis .	4	30 32.45	+ 0.10	- 8.56	11 48 6.40	44.880	+ 12.8	63.4	15 30 . .	.	.	.
7	Ophiuchi	10	9 11.13	+ 0.11	- 8.61	42 16 6.78	46.508	+ 55.2	64.0	16 9 . .	.	.	.
8	Venus II, S. . . . December 8, L.	11	15 26.49	+ 0.10	- 8.58	59 18 6.10	47.345	+ 1 42.1	63.5	16 15 18.01	- 2.22	- 20 29 7.2	.
9	Sun I, N.	11	1 5.42	+ 0.10	- 8.58	61 20 10.85	46.490	+ 1 50.8	63.5	17 0 56.94	+ 70.92	- 22 31 2.9	.
10	Sun II, S.	11	3 27.26	+ 0.10	- 8.58	61 52 6.60	48.068	+ 1 53.4	63.5	17 3 18.78	- 70.92	- 23 3 34.1	.
11	Herculis	10	42 37.89	+ 0.10	- 8.56	11 4 6.68	45.959	+ 11.9	63.2	17 42 . .	.	.	.
12	Mercury I, C. . .	11	30 14.21	+ 0.09	- 8.59	63 38 6.95	46.168	+ 2 2.0	63.5	18 30 5.71	+ 0.28	- 24 49 5.3	.
13	Lyrae	11	33 38.51	+ 0.10	- 8.59	0 10 6.32	44.558	+ 0.2	64.2	18 33 . .	.	.	.
14	Lyrae	11	46 28.65	+ 0.10	- 8.60	5 36 5.92	46.252	+ 6.0	63.2	18 46 . .	.	.	.
15	Aquilæ	11	0 54.05	+ 0.11	- 8.61	25 8 7.30	44.914	+ 28.5	64.0	19 0 . .	.	.	.
16	Ursæ Minoris . .	8	22 55.71	- 2.20	[- 8.44]	310 6 5.10	45.245	- 1 12.9	[65.0]	1 22 . .	.	.	.
17	Piscium.	11	40 13.75	+ 0.11	[- 8.65]	30 12 7.28	43.682	+ 36.0	[63.3]	1 40 . .	.	.	.
18	Cancræ	11	27 2.65	+ 0.22	- 8.82	18 4 9.72	44.909	+ 20.4	63.8	8 26 . .	.	.	.
19	Hydræ	11	41 35.97	+ 0.24	- 8.82	32 2 10.05	48.998	+ 39.2	63.0	8 41 . .	.	.	.
20	Mars I, S.	5	47 50.98	+ 0.22	- 8.81	17 56 9.85	43.102	+ 20.3	63.1	8 47 42.39	+ 0.59	+ 20 55 31.4	.
21	Mars II, N. . . .	6	47 52.23	+ 0.22	- 8.81	17 56 9.85	42.260	+ 20.3	63.1	8 47 43.64	- 0.66	+ 20 55 47.7	.
22	Cancræ	11	2 26.80	+ 0.24	- 8.76	27 46 10.35	45.925	+ 32.9	63.2	9 2 . .	.	.	.
23	Hydræ December 8, K.	11	22 47.47	+ 0.26	- 8.85	47 4 10.08	42.974	+ 1 7.1	62.4	9 22 . .	.	.	.
24	Moon II, S. . . .	11	25 51.68	+ 0.20	- 8.54	54 12 7.95	47.889	+ 1 27.0	62.6	13 25 43.34	- 67.78	- 15 23 5.4	.
25	Bootis	11	50 0.77	+ 0.20	- 8.55	19 56 10.02	47.400	+ 22.8	62.4	13 49 . .	.	.	.
26	Bootis	11	11 11.34	+ 0.20	- 8.51	19 8 7.88	46.728	+ 21.7	61.9	14 11 . .	.	.	.
27	Bootis	11	27 36.57	+ 0.20	- 8.57	8 2 6.72	46.380	+ 8.9	62.7	14 27 . .	.	.	.
28	Serpentis	11	39 25.48	+ 0.20	- 8.59	32 6 9.22	45.241	+ 39.0	63.4	15 39 . .	.	.	.
29	Serpentis	11	45 54.79	+ 0.20	- 8.61	34 4 7.90	44.440	+ 42.0	64.5	15 45 . .	.	.	.
30	Coronæ Borealis .	11	53 31.94	+ 0.20	- 8.56	11 40 12.85	47.741	+ 12.9	63.9	15 53 . .	.	.	.
31	Venus II, S. . . . December 9, K.	11	13 32.87	+ 0.20	- 8.58	58 58 7.72	48.394	+ 1 42.8	63.5	16 13 24.49	- 2.19	- 20 9 29.6	.
32	Sun I, S.	11	5 28.87	+ 0.19	- 8.60	61 58 2.32	47.882	+ 1 55.6	63.8	17 5 20.46	+ 70.93	- 23 9 25.6	.
33	Sun II, N.	11	7 50.73	+ 0.19	- 8.60	61 26 5.02	45.975	+ 1 53.0	63.8	17 7 42.32	- 70.93	- 22 36 51.6	.
34	Serpentis	11	16 12.95	+ 0.20	- 8.62	41 46 8.18	46.775	+ 54.9	65.2	18 16 . .	.	.	.
35	Mercury I, C. . .	11	32 22.29	+ 0.19	- 8.62	63 26 12.00	43.151	+ 2 2.5	64.3	18 32 13.86	+ 0.28	- 24 36 12.2	.
36	Lyrae	11	33 38.41	+ 0.20	- 8.59	0 10 11.35	44.212	+ 0.2	63.8	18 33 . .	.	.	.
37	Lyrae	11	46 28.56	+ 0.20	- 8.62	5 36 8.58	46.165	+ 6.1	64.1	18 46 . .	.	.	.
38	Aquilæ December 9, B.	11	0 53.99	+ 0.20	- 8.64	25 8 8.92	44.826	+ 28.9	64.1	19 0 . .	.	.	.
39	Virginis.	11	29 41.51	+ 0.21	- 8.87	38 54 11.75	48.945	+ 49.6	64.8	13 29 . .	.	.	.
40	Bootis.	11	50 1.16	+ 0.18	- 8.89	19 56 11.35	47.422	+ 22.3	63.5	13 49 . .	.	.	.
41	Moon II.	11	22 33.74	+ 0.26	- 8.87	58 32 . .	.	.	.	14 22 25.13	- 70.80	.	.
42	Bootis.	11	40 42.80	+ 0.15	- 8.83	11 20 13.60	48.576	+ 12.2	62.9	14 40 . .	.	.	.
43	Libræ.	11	45 25.76	+ 0.24	- 8.85	54 26 10.65	48.669	+ 1 24.9	64.3	14 45 . .	.	.	.
44	Venus II, S. . . .	11	11 47.44	+ 0.25	- 8.94	58 40 14.15	45.056	+ 1 38.6	64.5	16 11 38.75	- 2.17	- 19 50 26.8	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "		' "
7	12 38	29.978	27.3	26.4	I.	Bisections at II, III, IV, V, VI.	1	+ 42 54.0	+ 15 33.4	.	+ 58 27.4
	13 12	29.988	28.0	27.0	3, 16.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	8	+ 28.0	+ 31.4	.	+ 59.4
	13 35	.	.	28.0	4.	Bisections at D ₂ , D ₁ , B ₃ , B ₂ .	9	+ 7.9	- 16 15.6	.	- 16 7.7
	14 46	30.050	33.3	31.0	6, 9, 32.	Bisections at I, II.	10	+ 7.9	+ 16 15.6	.	+ 16 23.5
	15 32	30.070	34.9	31.4	10, 29, 33, 36.	Bisections at VI, VII.	12	+ 8.8	.	0.0	+ 8.8
	16 14	30.074	35.0	32.0	20	Bisections at I, VII.	20	+ 3.4	+ 8.2	.	+ 11.6
	17 3	30.068	34.3	32.0	21.	Bisections at II, VI.	21	+ 3.4	+ 8.1	0.0	- 4.7
	17 46	.	.	32.4	24.	Bisections at II, III, V, VI.	24	+ 46 53.7	+ 15 49.2	.	+ 62 42.9
	18 36	30.078	35.1	32.6			31	+ 27.6	+ 31.2	.	+ 58.8
	19 2	30.084	35.6	32.5			32	+ 7.9	+ 16 17.0	.	+ 16 24.9
	1 17	30.164	28.0	26.0			33	+ 7.9	- 16 17.0	.	- 16 9.1
	1 41	30.170	27.2	25.4			35	+ 9.0	.	0.0	+ 9.0
	8 28	30.230	22.9	20.8			44	+ 27.3	+ 30.9	.	+ 58.2
	9 24	30.232	23.5	21.0							
	13 27	30.256	20.2	19.8							
	14 25	30.268	23.8	22.1							
	15 37	30.270	27.7	25.0							
	16 16	30.260	28.7	26.0							
	17 8	30.236	29.5	27.3							
	18 18	30.212	30.5	28.8							
	18 58	30.220	30.7	28.6							
	13 33	29.898	23.8	24.6							
	14 8	29.898	26.8	27.2							
	14 50	29.890	30.0	29.8							
	16 14	29.846	33.4	33.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	December 10, B.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Sun I, N.	11	9 53.14	+ 0.26	- 8.98	61 32 7.70	44.130	+ 1 50.0	64.8	17 9 44.42	+71.04	- 22 42 12.4	. .
2	Sun II, S.	11	12 15.21	+ 0.26	- 8.98	62 4 6.70	45.800	+ 1 52.5	64.8	17 12 6.49	-71.03	- 23 14 48.5	. .
3	η Serpenti	11	16 13.37	+ 0.22	- 9.06	41 46 13.12	44.521	+ 1 53.1	65.3	18 16 . . .	. .		. .
4	Mercury C, C.	10	33 53.55	+ 0.26	- 9.04	63 12 9.78	44.308	+ 1 57.1	65.2	18 33 44.77	+ 0.14	- 24 22 25.9	. .
5	γ Aquilæ	11	41 35.98	+ 0.20	- 9.06	28 28 11.85	46.948	+ 1 32.1	65.5	19 41 . . .	. .		. .
6	α Aquilæ	11	45 59.88	+ 0.20	- 9.07	30 14 12.18	46.605	+ 1 34.5	65.3	19 45 . . .	. .		. .
7	η Cancri	11	27 3.25	+ 0.18	- 9.31	18 4 7.22	45.056	+ 1 19.6	63.1	8 26 . . .	. .		. .
8	ε Hydræ	11	41 36.55	+ 0.20	- 9.30	32 2 6.65	49.274	+ 1 37.6	63.0	8 41 . . .	. .		. .
9	Mars I, S.	6	47 54.27	+ 0.18	- 9.31	17 50 6.85	45.058	+ 1 19.3	63.4	8 47 45.14	+ 0.51	+ 21 0 58.2	. .
10	Mars II, N.	5	47 55.36	+ 0.18	- 9.31	17 50 6.85	44.292	+ 1 19.3	63.4	8 47 46.23	- 0.58	+ 21 1 13.0	. .
11	κ Cancri	11	2 27.47	+ 0.20	- 9.33	27 46 8.68	46.100	+ 1 31.6	63.2	9 2 . . .	. .		. .
12	α Hydræ	11	22 48.03	+ 0.23	- 9.32	47 4 7.25	43.382	+ 1 4.5	64.3	9 22 . . .	. .		. .
	December 12, E.												
13	α Corone Borealis	11	30 34.47	+ 0.07	- 10.45	11 48 7.00	44.959	+ 1 12.8	65.5	15 30 . . .	. .		. .
14	δ Scorpii	6	54 31.46	+ 0.09	- 10.32	61 10 7.00	43.395	+ 1 50.7	62.9	15 54 . . .	. .		. .
15	Venus II, S.	11	7 22.15	+ 0.09	- 10.39	57 46 2.70	49.169	+ 1 36.8	64.3	16 7 11.85	- 2.09	- 18 57 32.6	. .
16	α Scorpii	11	23 22.67	+ 0.09	- 10.39	65 2 3.20	43.862	+ 2 10.5	63.1	16 23 . . .	. .		. .
	December 13, E.												
17	Sun I, N.	11	23 9.05	+ 0.09	- 10.41	61 44 7.00	48.420	+ 1 53.1	64.3	17 22 58.73	+71.13	- 22 55 37.5	. .
18	Sun II, S.	11	25 31.32	+ 0.09	- 10.41	62 16 7.75	50.045	+ 1 55.7	64.3	17 25 21.00	-71.14	- 23 28 14.7	. .
19	Mercury C, C.	11	34 8.21	+ 0.09	- 10.43	62 26 3.88	44.740	+ 1 56.2	64.3	18 33 57.87	+ 0.18	- 23 36 30.0	. .
20	ζ Aquilæ	11	0 55.90	+ 0.08	- 10.43	25 8 3.02	45.222	+ 1 28.6	64.8	19 0 . . .	. .		. .
21	γ Aquilæ	11	41 37.49	+ 0.08	- 10.45	28 28 3.58	47.318	+ 1 33.0	64.7	19 41 . . .	. .		. .
22	α Aquilæ	11	46 1.35	+ 0.08	- 10.44	30 14 4.15	46.966	+ 1 35.5	64.8	19 45 . . .	. .		. .
23	ι Aurigæ	11	50 37.94	+ 0.18	- 10.53	5 50 8.00	47.269	+ 1 6.5	63.9	4 50 . . .	. .		. .
24	β Tauri	10	20 7.40	+ 0.17	- 10.56	10 20 9.18	44.059	+ 1 11.5	63.9	5 19 . . .	. .		. .
25	Neptune C, C.	11	31 45.82	+ 0.17	- 10.50	16 54 1.90	47.539	+ 1 19.2	63.6	5 31 35.49	. .	+ 21 56 15.9	. .
26	α Orionis	11	49 54.81	+ 0.17	- 10.47	31 28 3.60	43.102	+ 1 38.5	63.4	5 49 . . .	. .		. .
27	ν Orionis	11	2 0.98	+ 0.17	- 10.45	24 4 3.10	45.160	+ 1 28.2	63.5	6 1 . . .	. .		. .
28	η Cancri	11	27 4.75	+ 0.17	- 10.71	18 4 4.85	45.139	+ 1 20.7	63.1	8 26 . . .	. .		. .
29	ε Hydræ	11	41 37.82	+ 0.17	- 10.45	32 2 0.20	49.568	+ 1 39.8	63.7	8 41 . . .	. .		. .
30	Mars I, S.	6	47 34.35	+ 0.17	- 10.52	17 40 5.08	45.638	+ 1 20.3	63.6	8 47 24.00	+ 0.47	+ 21 10 48.0	. .
31	Mars II, N.	5	47 35.34	+ 0.17	- 10.52	17 40 5.08	44.968	+ 1 20.3	63.6	8 47 24.99	- 0.52	+ 21 11 1.0	. .
32	κ Cancri	10	2 58.75	+ 0.17	- 10.48	27 46 3.48	46.278	+ 1 33.5	62.8	9 2 . . .	. .		. .
33	α Hydræ	11	22 49.34	+ 0.16	- 10.46	47 4 3.32	43.515	+ 1 8.2	64.5	9 22 . . .	. .		. .
	December 13, S.												
34	α Ursæ Minoris S. P.	5	22 45.80	+ 0.46	- 10.77	307 38 5.65	48.895	- 1 22.1	[64.1]	1 22 . . .	. .		. .
35	η Bootis	11	50 2.92	+ 0.30	- 10.65	19 56 8.35	47.588	+ 1 23.1	63.2	13 49 . . .	. .		. .
36	ε Bootis	11	40 44.52	+ 0.26	- 10.56	11 20 7.58	48.922	+ 1 12.8	62.9	14 40 . . .	. .		. .
37	α Libræ	11	45 27.67	+ 0.43	- 10.84	54 26 7.92	48.532	+ 1 28.6	62.2	14 45 . . .	. .		. .
38	β Libræ	11	11 44.38	+ 0.40	- 10.73	47 50 7.82	47.385	+ 1 9.7	62.2	15 11 . . .	. .		. .
39	Venus II, S.	11	6 11.37	+ 0.44	- 10.75	57 30 6.48	48.690	+ 1 38.3	61.6	16 6 1.06	- 2.06	- 18 41 31.4	. .
	December 14, S.												
40	Sun I, N.	11	27 34.56	+ 0.46	- 10.80	61 48 9.65	46.685	+ 1 55.9	60.7	17 27 24.22	+71.18	- 22 59 13.3	. .
41	Sun II, S.	11	29 56.91	+ 0.46	- 10.81	62 20 9.80	47.968	+ 1 58.6	60.7	17 29 46.57	-71.17	- 23 31 43.4	. .
42	Mercury C, C.	11	32 37.33	+ 0.46	- 10.85	62 8 6.40	49.060	+ 1 57.2	60.0	18 32 26.94	+ 0.18	- 23 19 58.9	. .
43	σ Sagittarii	11	49 10.25	+ 0.47	- 10.95	65 14 6.92	46.170	+ 2 14.0	59.2	18 48 . . .	. .		. .
44	ζ Aquilæ	11	0 56.05	+ 0.32	- 10.81	25 8 7.82	44.704	+ 1 29.1	60.1	19 0 . . .	. .		. .
45	γ Aquilæ	6	41 37.62	+ 0.33	- 10.84	28 28 7.45	46.720	+ 1 33.6	58.9	19 41 . . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
10	17	12	29.790	35.8	35.2	1, 17, 33, 40.	Bisections at I, II.	1	+	7.9	-16 18.0	-16 10.1
	18	20	29.778	37.8	37.9	2, 14, 18, 19, 41, 45.	Bisections at VI, VII.	2	+	7.9	+16 18.1	+16 26.0
	18	52	29.770	39.2	38.9	9, 30.	Bisections at I, VII.	4	+	9.3	. . .	+ 9.3
	19	53	29.742	40.0	39.9	10, 21, 31.	Bisections at II, VI.	9	+	3.5	+ 7.4	+ 10.9
	8	22	29.502	30.0	29.5	16.	Bisection at VII.	10	+	3.5	- 7.4	- 3.9
	8	58	29.470	29.0	28.5	34.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	15	+	26.3	+ 30.0	+ 56.3
	9	23	29.466	28.4	28.2			17	+	7.9	-16 18.5	-16 10.6
	12	39	29.796	29.0	24.8			18	+	8.0	+16 18.6	+16 26.6
	15	55	. . .	. . .	25.0			19	+	10.0	. . .	+ 10.1
	16	10	29.801	29.5	25.2			25	+	0.1	. . .	+ 0.1
	16	26	. . .	. . .	25.8			30	+	3.5	+ 6.5	+ 10.0
	17	26	29.794	29.7	26.2			31	+	3.5	- 6.5	- 3.0
	18	30	29.794	30.0	26.8			39	+	25.8	+ 29.7	+ 55.5
	19	3	29.796	30.5	27.0			40	+	7.9	-16 15.0	-16 7.1
	19	35	29.800	30.5	27.4			41	+	8.0	+16 15.0	+16 23.0
	19	54	29.810	30.5	27.8			42	+	10.3	. . .	+ 10.5
	4	47	30.086	19.0	16.9							
	5	26	30.082	18.5	16.7							
	5	58	30.092	17.0	15.8							
	8	22	30.154	15.5	13.1							
	9	9	30.170	14.0	12.6							
	9	27	30.166	14.0	13.0							
	13	30	30.250	14.0	12.8							
	14	49	30.278	17.8	15.6							
	15	17	30.296	20.4	18.0							
	16	8	30.285	23.5	20.5							
	17	30	30.272	25.6	23.4							
	18	34	30.254	27.0	24.4							
	19	4	30.257	27.9	25.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	α Aquilæ	11	m s 46 1.55	+ 0.34	-10.90	30 14 7.12	46.524	+ 36.1	59.8	19 45 . .	s	° / //	//
2	ϵ Piscium	11	57 54.02	+ 0.32	-10.94	31 30 10.45	43.847	+ 38.4	61.1	0 57 . .	.	.	.
3	α Ursæ Minoris	8	23 1.02	- 6.78	[-13.13]	310 6 5.75	44.936	- I 14.0	[60.2]	1 22 . .	.	.	.
4	α Piscium	11	40 15.89	+ 0.31	-11.03	30 12 7.55	43.522	+ 36.5	60.6	1 40 . .	.	.	.
5	β Tauri	11	20 7.77	+ 0.25	-11.00	10 20 6.80	43.986	+ 11.5	60.1	5 19 . .	.	.	.
6	δ Orionis	11	27 3.68	+ 0.34	-11.00	39 12 8.82	47.394	+ 51.5	60.7	5 26 . .	.	.	.
7	Neptune C, C.	11	31 38.89	+ 0.27	-11.00	16 54 7.10	47.345	+ 19.2	60.6	5 31 28.16	.	+ 21 56 11.4	.
8	α Orionis	11	49 55.20	+ 0.32	-11.00	31 28 8.62	42.686	+ 38.6	60.4	5 49 . .	.	.	.
December 14, L.													
9	α Ursæ Minoris S. P.	8	22 43.45	+ 9.15	[-11.89]	307 38 6.95	48.645	- I 21.5	[60.9]	1 22 . .	.	.	.
10	η Bootis	11	50 3.53	+ 0.30	-11.23	19 56 9.42	47.372	+ 22.9	59.8	13 49 . .	.	.	.
11	α^2 Libræ	11	45 28.05	+ 0.40	-11.17	54 26 7.20	48.506	+ I 27.7	59.9	14 45 . .	.	.	.
12	β Libræ	11	11 44.93	+ 0.38	-11.23	47 50 7.55	47.316	+ I 9.0	59.8	15 11 . .	.	.	.
13	α Serpentis	11	39 28.24	+ 0.34	-11.37	32 6 8.88	45.129	+ 39.1	59.7	15 39 . .	.	.	.
14	Venus II, S.	11	5 10.64	+ 0.41	-11.30	57 16 7.15	45.352	+ I 36.4	60.3	16 4 59.75	- 2.03	- 18 26 27.5	.
December 15, L.													
15	Sun I, S.	11	32 1.04	+ 0.43	-11.35	62 24 3.28	45.968	+ I 57.3	61.0	17 31 50.12	+71.26	- 23 34 54.2	.
16	Sun II.	11	34 23.58	+ 0.43	-11.36	62 8 . .	.	.	.	17 34 12.65	-71.27	.	.
17	Mercury C, C.	11	30 16.95	+ 0.43	-11.39	61 52 6.82	46.369	+ I 53.8	61.4	18 30 5.99	+ 0.19	- 23 3 2.9	.
18	α Lyræ	11	33 41.19	+ 0.22	-11.40	0 10 5.82	44.570	+ 0.2	62.0	18 33 . .	.	.	.
19	ζ Aquilæ	11	0 56.65	+ 0.32	-11.41	25 8 8.15	44.785	+ 28.6	61.2	19 0 . .	.	.	.
20	γ Aquilæ	10	41 38.23	+ 0.33	-11.45	28 28 7.75	46.979	+ 33.0	62.1	19 41 . .	.	.	.
21	α Aquilæ	11	46 2.09	+ 0.33	-11.43	30 14 7.05	46.669	+ 35.5	61.7	19 45 . .	.	.	.
22	Moon I	11	51 22.90	+ 0.43	-11.48	59 0 . .	.	.	.	19 51 11.90	+73.51	.	.
23	α Ursæ Minoris	8	22 57.91	- 9.74	[- 7.89]	310 6 6.28	44.902	- I 12.3	[62.0]	1 22 . .	.	.	.
24	α Piscium	11	40 16.42	+ 0.24	-11.50	30 12 9.65	43.516	+ 35.7	61.8	1 40 . .	.	.	.
25	β Arietis	11	49 16.59	+ 0.20	-11.55	18 32 9.82	44.429	+ 20.6	61.3	1 49 . .	.	.	.
26	α Arietis	11	1 41.80	+ 0.18	-11.49	15 52 9.78	43.835	+ 17.4	61.2	2 1 . .	.	.	.
27	Neptune C, C.	11	31 32.11	+ 0.13	-11.50	16 54 9.32	47.590	+ 18.8	61.5	5 31 20.74	.	+ 21 56 5.8	.
28	ν Orionis	11	2 2.05	+ 0.16	-11.48	24 4 9.32	44.775	+ 27.6	61.6	6 1 . .	.	.	.
29	μ Geminorum	11	17 4.90	+ 0.12	-11.48	16 16 7.65	48.225	+ 18.1	61.3	6 16 . .	.	.	.
30	η Cancri	11	27 5.60	+ 0.13	-11.46	18 4 8.48	44.881	+ 20.3	61.2	8 26 . .	.	.	.
31	ϵ Hydræ	11	41 38.89	+ 0.18	-11.48	32 2 8.48	49.094	+ 38.9	61.7	8 41 . .	.	.	.
32	Mars I, N.	6	47 3.98	+ 0.13	-11.49	17 32 16.82	45.382	+ 19.7	61.5	8 46 52.62	+ 0.57	+ 21 18 39.8	.
33	Mars II, S.	5	47 5.18	+ 0.13	-11.49	17 32 16.82	46.095	+ 19.7	61.5	8 46 53.82	- 0.63	+ 21 18 26.0	.
34	κ Cancri	11	2 29.90	+ 0.17	-11.57	27 46 13.40	45.762	+ 32.7	61.7	9 2 . .	.	.	.
December 15, K.													
35	ϵ Coronæ Borealis	11	53 35.00	+ 0.15	-11.44	11 40 11.62	47.872	+ 12.7	62.9	15 53 . .	.	.	.
36	Venus II, S.	11	4 18.92	+ 0.29	-11.41	57 0 13.92	50.950	+ I 34.1	63.5	16 4 7.80	- 2.00	- 18 12 16.1	.
37	β Herculis	14	26 3.25	+ 0.17	-11.39	17 8 7.70	46.501	+ 18.8	62.6	16 25 . .	.	.	.
December 16, K.													
38	Sun I, S.	11	36 27.19	+ 0.30	-11.44	62 26 14.40	47.482	+ I 55.3	63.5	17 36 16.05	+71.22	- 23 37 29.9	.
39	Sun II, N.	11	38 49.63	+ 0.30	-11.44	61 54 15.20	45.580	+ I 52.8	63.5	17 38 38.49	-71.22	- 23 4 54.4	.
40	γ Aquilæ	11	41 38.40	+ 0.21	-11.50	28 28 9.12	47.060	+ 32.4	64.2	19 41 . .	.	.	.
41	α Aquilæ	11	46 2.25	+ 0.21	-11.47	30 14 9.20	46.768	+ 34.8	65.0	19 45 . .	.	.	.
42	ϵ Delphini	11	28 34.36	+ 0.20	-11.48	27 54 14.08	41.700	+ 31.5	63.2	20 28 . .	.	.	.
43	Moon I, S.	11	52 49.68	+ 0.29	-11.50	54 22 7.30	48.851	+ I 22.8	63.5	20 52 38.47	+70.84	- 15 33 18.1	.
44	ζ Cygni	11	8 49.36	+ 0.14	-11.51	9 2 10.10	45.420	+ 9.5	63.0	21 8 . .	.	.	.
45	β Tauri	11	20 8.50	+ 0.15	-11.61	10 20 10.70	43.905	+ 11.1	62.2	5 19 . .	.	.	.
46	δ Orionis	11	27 4.38	+ 0.25	-11.59	39 12 0.80	48.078	+ 49.5	63.5	5 26 . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
14 19 53	30.252	28.8	26.0	2.	Bisections at I, VI, VII.	7	+ 0.1	.	.	+ 0.1
1 11	30.246	22.1	20.1	3, 9, 23.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	14	+ 25.4	+ 29.3	.	+ 54.7
1 48	30.242	21.9	19.8	15, 38.	Bisections at I, II.	15	+ 8.0	+16 16.9	.	+16 24.9
5 13	30.210	18.9	17.0	32.	Bisections at II, VI.	17	+ 10.5	.	+ 0.2	+ 10.7
5 59	30.204	18.4	16.7	33.	Bisections at I, VII.	27	+ 0.1	.	.	+ 0.1
13 27	30.226	17.0	15.8	39, 42.	Bisections at VI, VII.	32	+ 3.5	- 6.9	0.0	- 3.4
13 51	.	.	16.8	43.	Bisections at II, III, IV, V, VI.	33	+ 3.5	+ 6.9	.	+ 10.4
14 47	30.262	22.0	19.9			36	+ 25.0	+ 28.9	.	+ 53.9
15 13	.	.	21.6			38	+ 8.0	+16 17.7	.	+16 25.7
15 41	30.268	.	23.5			39	+ 7.9	-16 17.7	.	-16 9.8
15 46	30.268	25.9	23.5			43	+48 56.2	+16 28.4	.	+65 24.6
16 6	30.276	27.1	25.0							
15 17 34	30.214	30.5	29.4							
18 25	30.206	33.0	32.2							
19 2	30.206	34.8	32.9							
19 49	30.206	35.9	33.4							
1 17	30.220	31.0	30.8							
1 56	30.222	30.9	30.8							
5 25	30.172	26.2	26.2							
6 10	30.170	26.1	26.1							
8 30	30.182	24.9	23.0							
9 0	30.192	24.7	23.6							
15 51	30.220	31.5	30.1							
16 34	30.212	34.5	33.8							
17 39	30.200	37.2	37.0							
19 39	30.176	44.2	42.9							
20 30	30.170	44.6	43.8							
21 6	30.170	45.3	44.6							
5 21	30.068	33.2	32.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.	
				Instru- ment.	Clock.									
														m s
1	Neptune C, C. . .	11	31 24.94	+ 0.18	-11.60	16 54 1.88	48.262	+	18.5	63.0	5 31 13.52	. . .	+ 21 56 2.2	. . .
2	α Orionis	11	49 55.92	+ 0.23	-11.60	31 28 3.02	43.265	+	37.1	64.2	5 49 . . .	. . .	. . .	. . .
3	η Cancrī	11	27 5.81	+ 0.18	-11.69	18 4 6.90	45.060	+	19.8	62.5	8 26 . . .	. . .	. . .	. . .
4	ε Hydræ	11	41 39.12	+ 0.23	-11.73	32 2 4.32	49.432	+	38.0	62.9	8 41 . . .	. . .	. . .	. . .
5	Mars I, N.	6	46 43.50	+ 0.18	-11.71	17 28 5.35	45.600	+	19.1	63.0	8 46 31.97	+ 0.47	+ 21 22 49.1	. . .
6	Mars II, S.	5	46 44.48	+ 0.18	-11.71	17 28 5.35	46.362	+	19.1	63.0	8 46 32.95	- 0.51	+ 21 22 34.6	. . .
7	κ Cancrī	11	2 30.02	+ 0.22	-11.72	27 46 4.72	46.321	+	31.9	62.7	9 2 . . .	. . .	. . .	. . .
December 17, B.														
8	β Aquarii	11	26 26.21	+ 0.20	-11.69	44 52 7.28	42.532	+	59.4	63.8	21 26 . . .	. . .	. . .	. . .
9	ε Pegasi	11	39 25.19	+ 0.16	-11.69	29 26 11.48	44.514	+	33.7	64.0	21 39 . . .	. . .	. . .	. . .
10	Moon I, S.	11	50 0.33	+ 0.22	-11.73	48 42 8.45	43.893	+	7.8	64.1	21 49 48.82	+ 68.43	- 9 51 28.6	. . .
11	α Aquarii	11	0 47.70	+ 0.19	-11.77	39 40 9.52	41.891	+	49.5	64.1	22 0 . . .	. . .	. . .	. . .
12	θ Aquarii	11	11 42.22	+ 0.20	-11.75	47 8 10.30	42.920	+	4.2	64.6	22 11 . . .	. . .	. . .	. . .
13	ι Orionis	10	59 1.82	+ 0.13	-11.72	23 34 7.68	48.052	+	26.2	62.9	4 58 . . .	. . .	. . .	. . .
14	β Tauri	11	20 8.75	+ 0.09	-11.78	10 20 7.48	44.091	+	11.0	62.4	5 19 . . .	. . .	. . .	. . .
15	Neptune C, C. . .	11	31 17.85	+ 0.11	-11.76	16 54 7.70	48.182	+	18.3	62.7	5 31 6.20	. . .	+ 21 55 57.8	. . .
16	ν Orionis	11	2 2.36	+ 0.13	-11.73	24 4 9.72	44.851	+	26.8	62.5	6 1 . . .	. . .	. . .	. . .
17	μ Geminorum . . .	11	17 5.27	+ 0.11	-11.80	16 16 8.98	48.244	+	17.6	62.5	6 16 . . .	. . .	. . .	. . .
18	η Cancrī	11	27 6.05	+ 0.11	-11.83	18 4 8.30	45.016	+	19.6	62.7	8 26 . . .	. . .	. . .	. . .
19	ε Hydræ	11	41 39.35	+ 0.15	-11.85	32 2 9.32	49.216	+	37.7	63.4	8 41 . . .	. . .	. . .	. . .
20	Mars I, N.	5	46 19.38	+ 0.11	-11.83	17 24 9.02	44.428	+	18.9	62.7	8 46 7.66	+ 0.51	+ 21 27 8.0	. . .
21	Mars II, S.	6	46 20.45	+ 0.11	-11.83	17 24 9.02	45.165	+	18.9	62.7	8 46 8.73	- 0.56	+ 21 26 53.6	. . .
22	κ Cancrī	11	2 30.22	+ 0.14	-11.81	27 46 8.22	46.154	+	31.8	62.7	9 2 . . .	. . .	. . .	. . .
December 18, S.														
23	α Aquarii	11	0 47.90	+ 0.24	-12.02	39 40 7.05	42.082	+	48.1	63.8	22 0 . . .	. . .	. . .	. . .
24	η Aquarii	11	30 22.26	+ 0.24	-12.03	39 28 6.88	47.219	+	48.0	63.3	22 30 . . .	. . .	. . .	. . .
25	Moon I, S.	11	43 46.96	+ 0.26	-12.10	42 38 8.10	48.355	+	53.7	63.0	22 43 35.12	+ 66.66	3 48 40.8	. . .
26	α Pegasi	11	59 56.26	+ 0.20	-12.13	24 12 7.08	41.748	+	26.2	62.2	22 59 . . .	. . .	. . .	. . .
27	θ Piscium	11	23 3.42	+ 0.22	-12.22	33 2 6.55	42.129	+	38.0	62.7	23 22 . . .	. . .	. . .	. . .
December 22, K.														
28	α Serpentis	11	39 29.45	+ 0.01	-12.07	32 6 8.10	45.555	+	36.8	63.1	15 39 . . .	. . .	. . .	. . .
29	ε Serpentis	11	45 58.71	+ 0.01	-12.04	34 4 8.00	44.465	+	39.6	63.9	15 45 . . .	. . .	. . .	. . .
30	δ Scorpii	11	54 33.58	+ 0.02	-12.13	61 10 6.42	43.784	+	46.1	63.4	15 54 . . .	. . .	. . .	. . .
31	β ¹ Scorpii	11	59 45.75	+ 0.02	-12.15	58 22 5.12	43.484	+	34.8	63.4	15 59 . . .	. . .	. . .	. . .
32	Venus II, S.	11	2 48.42	+ 0.02	-12.10	55 50 6.50	47.724	+	26.2	63.5	16 2 36.34	- 1.79	- 17 0 58.9	. . .
December 23, K.														
33	Sun I, N.	11	7 33.11	+ 0.02	-12.07	62 0 9.58	43.768	+	49.5	63.5	18 7 21.06	+ 71.32	- 23 10 8.0	. . .
34	Sun II, S.	11	9 55.75	+ 0.02	-12.07	62 32 6.18	45.398	+	52.0	63.5	18 9 43.70	- 71.32	- 23 42 41.2	. . .
35	α Lyre	11	33 42.10	+ 0.03	-12.04	0 10 3.20	44.904	+	0.2	63.4	18 33 . . .	. . .	. . .	. . .
36	ζ Aquilæ	11	0 57.65	+ 0.01	-12.07	25 8 3.75	45.280	+	27.4	63.6	19 0 . . .	. . .	. . .	. . .
37	δ Aquilæ	11	20 36.07	+ 0.01	-12.06	35 56 8.80	44.160	+	42.3	63.5	19 20 . . .	. . .	. . .	. . .
38	γ Aquilæ	11	41 39.17	+ 0.01	-12.06	28 28 19.52	46.584	+	31.6	63.7	19 41 . . .	. . .	. . .	. . .
39	η Ceti	11	19 11.91	+ 0.10	-12.14	47 32 4.08	46.545	+	4.7	62.9	1 18 . . .	. . .	. . .	. . .
40	α Ursæ Minoris . .	7	22 49.37	- 2.62	[-13.44]	310 6 3.58	44.892	-	9.9	[62.8]	1 22 . . .	. . .	. . .	. . .
41	ο Piscium	11	40 17.13	+ 0.09	-12.12	30 12 4.78	43.814	+	34.5	61.0	1 40 . . .	. . .	. . .	. . .
42	γ Ceti	11	38 17.91	+ 0.10	-12.21	36 2 5.30	44.688	+	43.2	63.0	2 38 . . .	. . .	. . .	. . .
43	α Ceti	11	57 13.87	+ 0.10	-12.13	35 10 8.20	41.480	+	41.9	62.9	2 57 . . .	. . .	. . .	. . .
44	Moon I, S.	11	1 15.60	+ 0.09	-12.12	17 58 2.95	38.325	+	19.3	62.3	3 1 3.57	+ 67.28	+ 20 51 55.1	. . .
45	ζ Arietis	11	9 19.74	+ 0.09	-12.04	18 10 9.50	46.719	+	19.6	62.3	3 9 . . .	. . .	. . .	. . .
46	ι Orionis	11	59 2.27	+ 0.09	-12.09	23 34 5.62	48.144	+	26.1	62.3	4 58 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
16 5 47	30.048	33.5	32.8	5, 21.	Bisections at I, VII.	1	+ 0.1	. . .	. . .	+ 0.1
8 29	30.012	31.5	32.1	6, 20.	Bisections at II, VI.	5	+ 3.6	- 7.2	0.0	- 3.6
9 0	29.984	32.0	32.3	10, 25, 44.	Bisections at II, III, IV, V, VI.	6	+ 3.6	+ 7.3	. . .	+ 10.9
17 21 17	29.840	37.2	36.8	33.	Bisections at I, II.	10	+ 44 40.2	+ 16 16.8	. . .	+ 60 57.0
22 16	29.832	37.0	36.9	34, 37.	Bisections at VI, VII.	15	+ 0.1	. . .	. . .	+ 0.1
5 2	29.828	33.4	34.8	40.	Bisections at C ₂ , C ₃ , C ₄ .	20	+ 3.6	- 7.2	0.0	- 3.6
5 40	29.814	33.6	33.8		Z. D. thread A used.	21	+ 3.6	+ 7.2	. . .	+ 10.8
6 20	29.792	33.0	33.6			25	+ 39 43.4	+ 16 3.5	. . .	+ 55 46.9
8 19	29.780	32.0	33.0			32	+ 22.3	+ 26.0	. . .	+ 48.3
9 7	29.770	30.6	30.4			33	+ 7.9	- 16 16.5	. . .	- 16 8.6
18 21 54	29.793	49.0	50.0			34	+ 8.0	+ 16 16.6	. . .	+ 16 24.6
22 35	29.795	47.3	47.7			44	+ 16 56.7	+ 15 5.9	. . .	+ 32 2.6
23 25	29.816	45.5	46.4							
22 15 41	29.730	44.5	44.0							
16 4	29.740	45.2	44.3							
18 10	29.748	45.2	45.9							
18 34	29.744	47.0	46.0							
19 2	29.750	47.2	46.2							
19 39	29.768	47.8	47.0							
1 18	29.870	41.0	41.3							
1 38	29.880	40.7	41.1							
2 40	29.890	40.3	39.7							
3 13	29.900	39.4	39.3							
5 1	29.910	37.6	38.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Tauri	II	20 9.10	+ 0.08	-12.06	10 20 6.75	44.116	+ 10.9	62.3	5 19 . .	. .		. .
2	δ Orionis	II	27 5.10	+ 0.10	-12.09	39 12 9.05	47.659	+ 48.7	62.0	5 26 . .	. .		. .
3	Neptune C, C. . . .	II	30 34.65	+ 0.09	-12.08	16 56 3.55	43.454	+ 18.2	62.3	5 30 22.66	. .	+ 21 55 32.3	. .
4	α Canum Venat. . . .	II	51 30.77	+ 0.09	-11.96	359 58 2.80	50.705	+ 0.1	60.7	12 51 . .	. .		. .
5	θ Virginis	II	4 55.67	+ 0.10	-11.92	43 50 4.15	46.422	+ 58.2	62.9	13 4 . .	. .		. .
6	α Ursæ Minoris S. P. December 24, B.	5	22 42.10	+ 2.08	[-11.25]	307 38 6.60	48.713	- 1 18.0	[61.7]	1 22 . .	. .		. .
7	η Tauri	II	41 42.87	+ 0.12	-11.92	15 4 6.88	42.764	+ 16.2	61.5	3 41 . .	. .		. .
8	ζ Persei	II	48 1.23	+ 0.12	-11.98	7 16 7.65	44.845	+ 7.7	62.1	3 47 . .	. .		. .
9	Moon I, S.	II	55 27.57	+ 0.12	-11.93	15 42 6.68	42.571	+ 17.0	61.9	3 55 15.76	+ 67.90	+ 23 9 47.0	. .
10	γ Tauri	II	14 16.79	+ 0.13	-11.92	23 28 4.48	44.288	+ 26.2	62.4	4 14 . .	. .		. .
11	ε Tauri	II	22 57.29	+ 0.12	-11.92	19 54 2.80	43.452	+ 21.9	62.3	4 22 . .	. .		. .
12	II Orionis	II	59 2.09	+ 0.13	-11.95	23 34 7.28	47.990	+ 26.4	61.8	4 58 . .	. .		. .
13	β Tauri	II	20 8.90	+ 0.12	-11.89	10 20 8.98	43.981	+ 11.1	62.1	5 19 . .	. .		. .
14	Neptune C, C. . . .	II	30 27.30	+ 0.12	-11.93	16 56 7.18	43.502	+ 18.4	61.9	5 30 15.49	. .	+ 21 55 27.1	. .
15	ν Orionis	II	2 2.61	+ 0.13	-11.89	24 4 7.50	44.954	+ 27.0	61.9	6 1 . .	. .		. .
16	μ Geminorum	II	17 5.48	+ 0.12	-11.92	16 16 7.08	48.322	+ 17.7	61.9	6 16 . .	. .		. .
17	β Geminorum	II	39 22.65	+ 0.12	-11.93	10 34 6.95	48.058	+ 11.3	61.7	7 39 . .	. .		. .
18	φ Geminorum	II	47 33.46	+ 0.12	-11.94	11 48 8.10	49.729	+ 12.7	61.4	7 47 . .	. .		. .
19	η Cancri	II	27 6.32	+ 0.12	-11.93	18 4 6.55	45.082	+ 19.7	61.7	8 26 . .	. .		. .
20	Mars I, N.	6	41 52.95	+ 0.12	-11.92	16 48 6.62	45.008	+ 18.3	61.9	8 41 41.15	+ 0.52	+ 22 2 58.8	. .
21	Mars II, S.	5	41 54.02	+ 0.12	-11.92	16 48 6.62	45.740	+ 18.3	61.9	8 41 42.22	- 0.55	+ 22 2 45.0	. .
December 25, S.													
22	ε Tauri	II	22 57.32	+ 0.16	-11.99	19 54 6.78	43.171	+ 22.0	61.0	4 22 . .	. .		. .
23	α Tauri	II	30 21.62	+ 0.17	-11.95	22 32 7.72	46.221	+ 25.2	62.1	4 30 . .	. .		. .
24	Moon I, N.	II	50 23.37	+ 0.17	-11.98	14 8 2.30	42.737	+ 15.3	61.6	4 50 11.56	+ 68.04	+ 24 43 50.5	. .
25	Moon S.					14 38 0.60	43.090	+ 15.9	61.6			+ 24 13 41.3	. .
26	II Orionis	8	59 2.10	+ 0.16	-11.98	23 34 3.52	48.152	+ 26.5	62.1	4 58 . .	. .		. .
27	β Tauri	II	20 8.96	+ 0.16	-11.98	10 20 6.18	44.079	+ 11.1	61.2	5 19 . .	. .		. .
December 26, Br.													
28	II Orionis	II	59 2.07	+ 0.19	-11.98	23 34 8.22	47.990	+ 26.5	62.3	4 58 . .	. .		. .
29	β Tauri	II	20 8.92	+ 0.18	-11.96	10 20 7.30	44.052	+ 11.1	61.9	5 19 . .	. .		. .
30	δ Orionis	II	27 4.95	+ 0.20	-12.02	39 12 8.88	47.678	+ 49.5	62.6	5 26 . .	. .		. .
31	Neptune C, C. . . .	II	30 13.04	+ 0.19	-11.99	16 56 9.05	43.805	+ 18.5	62.3	5 30 1.24	. .	+ 21 55 19.2	. .
32	Moon I, N.	II	45 9.62	+ 0.18	-11.99	14 20 9.50	43.843	+ 15.6	62.3	5 44 57.81	+ 67.57	+ 24 31 21.7	. .
33	Moon S.					14 50 10.50	43.917	+ 16.1	62.3			+ 24 1 18.4	. .
34	ν Orionis	II	2 2.67	+ 0.19	-11.99	24 4 8.52	44.924	+ 27.1	62.4	6 1 . .	. .		. .
35	μ Geminorum	II	17 5.49	+ 0.19	-11.98	16 16 8.00	48.286	+ 17.8	62.2	6 16 . .	. .		. .
December 27, E.													
36	η Cancri	II	27 6.54	+ 0.10	-12.05	18 4 7.05	45.056	+ 19.5	61.2	8 26 . .	. .		. .
37	Mars I, N.	5	39 7.90	+ 0.10	-12.03	16 30 8.38	45.210	+ 17.8	61.4	8 38 55.97	+ 0.56	+ 22 20 51.4	. .
38	Mars II, S.	6	39 9.05	+ 0.10	-12.03	16 30 8.38	45.880	+ 17.8	61.4	8 38 57.12	- 0.59	+ 22 20 39.3	. .
39	κ Cancri	9	2 30.71	+ 0.10	-11.98	27 46 9.45	46.081	+ 31.6	61.0	9 2 . .	. .		. .
40	ε Leonis	II	40 21.27	+ 0.10	-12.05	14 36 7.48	47.679	+ 15.8	62.0	9 40 . .	. .		. .
41	μ Leonis	9	47 15.33	+ 0.10	-12.06	12 22 8.15	45.899	+ 13.3	61.4	9 47 . .	. .		. .
December 27, S.													
42	α Serpentis	II	39 29.42	+ 0.25	-12.15	32 6 10.48	45.332	+ 38.5	61.9	15 39 . .	. .		. .
43	ε Serpentis	II	45 58.70	+ 0.25	-12.15	34 4 8.15	44.332	+ 41.4	62.3	15 45 . .	. .		. .
44	δ Scorpis	II	54 33.55	+ 0.26	-12.21	61 10 6.85	43.471	+ 1 51.0	62.4	15 54 . .	. .		. .
45	Venus II, S.	9	6 21.73	+ 0.26	-12.17	55 28 7.00	47.481	+ 1 28.9	62.0	16 6 9.82	- 1.64	- 16 38 59.0	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
23 5 32	29.900	37.7	38.0	6.	Bisections at D ₃ , D ₂ , D ₁ .	3	+ 0.1	. . .	. .	+ 0.1
12 52	29.936	31.7	30.9	9.	Bisections at II, III, IV, V, VI.	9	+ 14 42.4	+ 14 58.7	. .	+ 29 41.1
13 17	29.940	32.2	31.7	12, 31.	Bisections at II, VI, VII.	14	+ 0.1	. . .	. .	+ 0.1
24 3 36	29.920	35.2	34.2	20.	Bisections at I, VII.	20	+ 3.6	- 6.9	0.0	- 3.3
4 26	29.916	34.4	33.0	21.	Bisections at II, VI.	21	+ 3.6	+ 6.9	. .	+ 10.5
4 57	29.914	34.2	32.4	24.	Bisections at II, III, IV.	24	+ 13 10.4	- 14 50.7	0.0	- 1 40.3
5 36	29.912	34.0	32.1	25, 37.	Bisection at VII.	25	+ 13 38.1	+ 14 50.8	. .	+ 28 28.9
6 23	29.910	33.0	31.8	26.	Bisections at VI, VII.	31	+ 0.1	. . .	. .	+ 0.1
7 34	29.914	33.2	34.2	32.	Bisections at I, II, III.	32	+ 13 18.9	- 14 48.3	. .	- 1 29.4
8 16	29.924	32.6	32.8	33.	Bisections at V, VI, VII	33	+ 13 45.6	+ 14 48.3	0.0	+ 28 33.9
8 48	29.934	32.3	32.0	38.	Bisection at VI.	37	+ 3.6	- 6.0	0.0	- 2.4
9 15	29.954	30.6	30.8			38	+ 3.6	+ 6.1	. .	+ 9.7
5 29	29.942	31.2	30.1			45	+ 20.5	+ 24.0	. .	+ 44.5
4 55	29.726	30.0	28.1							
5 39	29.712	29.2	27.0							
6 22	29.696	28.5	27.0							
8 20	29.527	34.0	32.0							
9 11	29.554	32.0	28.9							
9 51	29.554	29.5	27.1							
15 15	29.732	24.9	22.4							
16 13	29.760	26.2	23.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
December 28, S.													
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	Sun I, N.	II	29 44.44	+ 0.27	- 12.17	61 48 2.28	48.955	+ I 53.7	62.0	18 29 32.54	+71.14	- 22 59 45.8	. .
2	Sun II, S.	II	32 6.73	+ 0.27	- 12.17	62 20 7.95	50.060	+ I 56.3	62.0	18 31 54.83	-71.15	- 23 32 18.2	. .
3	γ Aquilæ	II	41 39.04	+ 0.25	- 12.16	28 28 7.85	47.032	+ 33.1	61.9	19 41 . . .	. . .	. . .	. .
4	α Aquilæ	II	46 2.91	+ 0.25	- 12.15	30 14 9.60	46.668	+ 35.5	62.5	19 45 . . .	. . .	. . .	. .
5	β Aquarii	II	26 26.63	+ 0.26	- 12.23	44 52 7.52	42.370	+ I 0.4	61.2	21 26 . . .	. . .	. . .	. .
6	ε Pegasi	II	39 25.51	+ 0.25	- 12.17	29 26 9.20	44.564	+ 34.3	62.1	21 39 . . .	. . .	. . .	. .
December 29, Ei.													
7	ι Orionis	II	59 2.62	- 0.02	- 12.31	23 34 10.12	47.997	+ 25.5	62.9	4 58 . . .	. . .	. . .	. .
8	β Tauri	IO	20 9.54	- 0.06	- 12.32	10 20 8.08	44.078	+ 10.7	62.9	5 19 . . .	. . .	. . .	. .
9	Neptune C, C. . . .	II	29 52.47	- 0.04	- 12.32	16 56 8.38	44.608	+ 17.8	63.2	5 29 40.11	. . .	+ 21 55 7.0	. .
10	ν Orionis	IO	2 3.24	- 0.02	- 12.32	24 4 9.00	45.078	+ 26.1	63.2	6 1 . . .	. . .	. . .	. .
11	μ Geminorum	II	17 6.12	- 0.04	- 12.34	16 16 2.90	48.552	+ 17.1	61.5	6 16 . . .	. . .	. . .	. .
12	Moon II	II	22 21.27	- 0.02	- 12.35	22 0 . . .	. . .	. . .	. . .	8 22 8.90	-63.80	. . .	. .
13	η Cancri	9	27 7.07	- 0.04	- 12.39	18 4 13.18	44.743	+ 19.1	61.3	8 26 . . .	. . .	. . .	. .
14	Mars I, S.	6	37 2.05	- 0.04	- 12.35	16 18 8.20	44.410	+ 17.1	63.2	8 36 49.66	+ 0.60	+ 22 33 11.2	. .
15	Mars II, N.	5	37 3.28	- 0.04	- 12.35	16 18 8.20	43.582	+ 17.1	63.2	8 36 50.89	- 0.63	+ 22 33 27.3	. .
16	ε Hydræ	II	41 40.29	0.00	- 12.33	32 2 7.58	49.519	+ 36.6	64.4	8 41 . . .	. . .	. . .	. .
17	κ Cancri	II	2 31.25	- 0.01	- 12.36	27 46 9.22	46.305	+ 30.8	63.9	9 2 . . .	. . .	. . .	. .
18	α Hydræ	II	22 51.79	+ 0.03	- 12.33	47 4 6.98	43.685	+ I 2.9	65.2	9 22 . . .	. . .	. . .	. .
December 29, B.													
19	δ Scorpii	II	54 34.04	- 0.02	- 12.36	61 10 11.70	43.468	+ I 45.7	63.1	15 54 . . .	. . .	. . .	. .
20	β Scorpii	II	59 46.20	- 0.02	- 12.38	58 22 8.55	43.322	+ I 34.4	62.8	15 59 . . .	. . .	. . .	. .
21	Venus II, S.	II	8 47.14	- 0.02	- 12.38	55 26 8.42	45.062	+ I 24.3	62.9	16 8 34.74	- 1.58	- 16 36 8.5	. .
22	β Herculis	II	26 4.79	- 0.07	- 12.42	17 8 7.50	46.763	+ 17.9	63.3	16 25 . . .	. . .	. . .	. .
23	ζ Ophiuchi	II	31 48.11	- 0.03	- 12.35	49 12 6.82	44.980	+ I 7.1	62.7	16 31 . . .	. . .	. . .	. .
24	Mercury C, C. . . .	II	25 30.07	- 0.02	- 12.37	58 56 10.02	45.468	+ I 34.8	64.5	17 25 17.68	- 0.17	- 20 6 26.8	. .
December 30, B.													
25	Sun I, N.	II	38 36.34	- 0.02	- 12.36	61 42 8.70	44.948	+ I 44.4	66.0	18 38 23.96	+71.12	- 22 52 22.0	. .
26	Sun II, S.	II	40 58.58	- 0.02	- 12.36	62 14 8.08	46.162	+ I 46.8	66.0	18 40 46.20	-71.12	- 23 24 50.1	. .
27	δ Aquilæ	II	20 36.45	- 0.04	- 12.35	35 56 12.85	44.333	+ 40.8	67.6	19 20 . . .	. . .	. . .	. .
28	γ Aquilæ	II	41 39.55	- 0.05	- 12.36	28 28 6.55	47.542	+ 30.5	66.5	19 41 . . .	. . .	. . .	. .
29	β Aquilæ	II	50 33.26	- 0.05	- 12.36	32 42 5.65	43.450	+ 36.0	67.4	19 50 . . .	. . .	. . .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "		' "
28 18 32	29.770	27.6	24.8	1, 10, 25.	Bisections at I, II.	1	+ 7.9	-16 16.2	. .	-16 8.3
19 51	29.779	29.0	26.3	2, 18, 19, 26.	Bisections at VI, VII.	2	+ 8.0	+16 16.1	. .	+16 24.1
21 29	29.805	29.9	27.8	3, 22, 27.	Bisections at II, VI, VII.	9	+ 0.1	. . .	. .	+ 0.1
21 48	29.807	30.0	27.9	7, 9, 28.	Bisections at I, II, VII.	14	+ 3.6	+ 8.0	. .	+ 11.6
29 5 1	29.772	47.0	46.5	13.	Bisections at I, VI, VII.	15	+ 3.6	- 8.1	0.0	- 4.5
6 25	29.764	47.0	47.6	14.	Bisections at I, VII.	21	+ 19.7	+ 23.2	. .	+ 42.9
8 10	29.768	46.5	46.2	15.	Bisections at II, VI.	24	+ 9.9	. . .	+ 0.6	+ 10.5
8 49	29.768	46.0	45.8	23.	Bisections at I, II, VI.	25	+ 7.9	-16 14.1	. .	-16 6.2
9 28	29.772	46.0	44.9			26	+ 7.9	+16 14.0	. .	+16 21.9
16 2	29.818	48.8	48.0							
16 56	29.814	53.8	52.9							
17 31	29.808	56.3	56.9							
30 18 41	29.779	61.0	64.0							
19 23	29.774	62.2	65.0							
19 56	29.766	65.0	65.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
CLAMP EAST.													
	January 6, La.		m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	ε Bootis	11	40 47.46	+ 0.04	-12.55	11 20 7.22	49.268	+ 12.4	62.3	14 40 . . .			
2	Moon II, S.	11	52 47.35	+ 0.16	-12.58	60 44 8.92	47.804	+ 1 49.6	62.1	14 52 34.93	-71.33	- 21 55 28.8	
3	β Librae	11	11 47.18	+ 0.13	-12.57	47 50 11.02	47.446	+ 1 8.0	61.2	15 11 . . .			
4	μ ¹ Bootis	10	20 52.98	+ 0.00	-12.57	1 6 8.30	50.128	+ 1.3	61.6	15 20 . . .			
5	α Coronæ Borealis .	11	30 37.31	+ 0.04	-12.61	11 48 9.32	45.022	+ 12.9	62.1	15 30 . . .			
6	α Serpentis	11	39 30.30	+ 0.10	-12.60	32 6 9.98	45.526	+ 38.7	63.3	15 39 . . .			
January 6, Ei.													
7	β ¹ Scorpii	10	59 46.59	+ 0.12	-12.67	58 22 6.60	43.212	+ 1 39.9	64.1	15 59 . . .			
8	δ Ophiuchi	11	9 15.74	+ 0.09	-12.53	42 16 9.45	46.450	+ 56.1	63.2	16 9 . . .			
9	Venus II, S.	11	23 20.58	+ 0.12	-12.58	55 40 9.20	48.326	+ 1 30.2	63.0	16 23 8.12	- 1.42	- 16 51 17.7	
10	κ Ophiuchi	11	53 5.69	+ 0.06	-12.60	29 18 7.98	47.829	+ 34.6	62.5	16 52 . . .			
11	α ¹ Herculis	11	10 14.84	+ 0.05	-12.58	24 20 8.35	46.912	+ 27.9	62.8	17 10 . . .			
12	α Ophiuchi	11	30 26.98	+ 0.06	-12.52	26 12 7.68	47.730	+ 30.3	62.6	17 30 . . .			
13	Mercury II, C. . . .	10	35 16.91	+ 0.12	-12.58	59 56 15.02	44.738	+ 1 46.1	63.0	17 35 4.45	- 0.26	- 21 6 30.6	
January 7, Ei.													
14	Sun I, S.	11	13 49.22	+ 0.13	-12.58	61 26 8.28	45.842	+ 1 52.0	63.0	19 13 36.77	+70.82	- 22 36 49.2	
15	Sun II, N.	11	16 10.86	+ 0.13	-12.58	60 54 8.20	43.740	+ 1 49.5	63.0	19 15 58.41	-70.82	- 22 4 9.6	
16	γ Aquilæ	11	41 39.80	+ 0.06	-12.67	28 28 6.82	47.286	+ 33.2	63.5	19 41 . . .			
17	α Aquilæ	10	46 3.63	+ 0.07	-12.63	30 14 10.08	46.702	+ 35.7	62.2	19 45 . . .			
18	γ Cygni	11	18 47.81	+ 0.04	-12.47	358 56 14.60	42.196	+ 1.1	63.5	20 18 . . .			
19	α Cygni	10	38 10.92	+ 0.07	-12.56	353 56 5.28	45.376	+ 6.4	62.9	20 37 . . .			
20	β Tauri	11	20 9.55	+ 0.08	-12.43	10 20 8.70	43.946	+ 11.3	61.9	5 19 . . .			
21	Neptune C, C. . . .	11	28 51.67	+ 0.11	-12.44	16 56 8.50	46.131	+ 18.9	62.0	5 28 39.34		+ 21 54 35.0	
22	ν Orionis	11	2 3.26	+ 0.14	-12.43	24 4 9.50	44.862	+ 27.7	62.2	6 1 . . .			
23	μ Geminorum	11	17 6.12	+ 0.11	-12.41	16 16 7.90	48.302	+ 18.1	62.6	6 16 . . .			
24	γ Geminorum	11	32 7.65	+ 0.14	-12.44	22 22 11.70	44.034	+ 25.5	62.6	6 31 . . .			
25	α ² Geminorum	11	28 24.90	+ 0.06	-12.53	6 44 7.22	46.932	+ 7.4	61.4	7 28 . . .			
26	β Geminorum	11	39 23.46	+ 0.08	-12.43	10 34 10.08	47.865	+ 11.6	61.4	7 39 . . .			
27	φ Geminorum	11	47 34.25	+ 0.09	-12.41	11 48 7.32	49.772	+ 13.0	61.6	7 47 . . .			
January 7, Br.													
28	α Coronæ Borealis .	11	30 37.24	+ 0.19	-12.66	11 48 8.58	44.960	+ 13.1	60.2	15 30 . . .			
29	α Serpentis	11	39 30.23	+ 0.28	-12.68	32 6 8.98	45.426	+ 39.3	60.8	15 39 . . .			
30	ε Serpentis	11	45 59.50	+ 0.29	-12.69	34 4 8.85	44.410	+ 42.3	61.8	15 45 . . .			
31	Moon II.	11	55 6.40	+ 0.41	-12.65	63 18 . . .				15 54 54.16	-74.20		
32	β ¹ Scorpii	11	59 46.36	+ 0.38	-12.67	58 22 6.72	43.120	+ 1 41.0	63.0	15 59 . . .			
33	Venus II, S.	11	25 38.73	+ 0.37	-12.65	55 44 7.22	49.060	+ 1 31.2	61.5	16 25 26.45	- 1.40	- 16 55 32.3	
34	ζ Ophiuchi	10	31 48.18	+ 0.34	-12.56	49 12 7.72	44.636	+ 1 11.9	61.3	16 31 . . .			
35	α Ophiuchi	11	30 26.94	+ 0.26	-12.66	26 12 8.00	47.680	+ 30.3	61.8	17 30 . . .			
36	Mercury II, C. . . .	11	38 33.32	+ 0.38	-12.66	60 6 7.38	47.528	+ 1 46.6	61.5	17 38 21.04	- 0.25	- 21 17 18.4	
37	μ Herculis	11	42 42.27	+ 0.19	-12.65	11 4 9.08	46.190	+ 12.1	61.7	17 42 . . .			
January 10, Ei.													
38	11 Orionis	11	59 2.99	+ 0.30	-12.99	23 34 9.20	47.748	+ 27.5	58.9	4 58 . . .			
39	β Tauri	11	20 9.88	+ 0.25	-12.93	10 20 8.55	43.852	+ 11.5	60.2	5 19 . . .			
40	Neptune C, C. . . .	5	28 32.84	+ 0.28	-12.97	16 56 7.25	46.498	+ 19.2	60.6	5 28 20.15		+ 21 54 26.1	
41	ν Orionis	11	2 3.64	+ 0.30	-12.96	24 4 9.52	44.729	+ 28.2	60.1	6 1 . . .			
42	μ Geminorum	11	17 6.60	+ 0.27	-13.03	16 16 8.32	48.184	+ 18.5	61.2	6 16 . . .			
43	15 Argus	11	3 29.67	+ 0.44	-13.14	62 50 7.68	45.281	+ 2 3.0	62.6	8 3 . . .			

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°					/ "	/ "	"	/ "
6	14	33	29.910	26.0	23.8	2.	Bisections at II, III, IV, V, VI.		2	+51	2.3	+16 0.2	+67 2.5
	15	15	29.900	27.0	23.4	4, 7.	Bisections at II, VI, VII.		9	+	17.4	+ 20.4	+ 37.8
	15	49	29.980	27.0	23.5	8, 15, 40.	Bisections at VI, VII.		13	+	8.2	+ 0.2	+ 8.4
	16	2	29.988	27.0	23.7	14, 30.	Bisections at I, II.		14	+	7.9	+16 19.7	+16 27.6
	17	0	30.032	28.0	24.3				15	+	7.8	-16 19.8	-16 12.0
	18	17	30.034	28.5	24.3				21	+	0.1		+ 0.1
	19	16	30.012	30.0	28.0				33	+	17.2	+ 20.0	+ 37.2
	20	42	30.020	32.0	29.5				36	+	8.0	+ 0.2	+ 8.2
	5	6	30.128	26.5	24.7				40	+	0.1		+ 0.1
	6	12	30.148	25.5	24.9								
	6	48	30.142	25.5	25.8								
	7	54	30.138	25.0	26.8								
	15	36	30.242	23.0	21.0								
	16	8	30.252	25.0	21.0								
	16	35	30.256	27.0	24.7								
	17	23	30.262	30.5	28.3								
	17	46	30.260	33.0	30.8								
	5	7	30.314	22.0	19.0								
	6	11	30.324	21.0	18.7								
	6	25	30.324	21.0	18.5								
	7	59	30.330	20.0	17.0								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.			
			m	s	s	s									°	'	''
1	Mars I.	5	20	29.30	+ 0.27	-13.05	14 58	..	..	..	8 20 16.52	+ 0.62	..	..			
2	Mars II.	6	20	30.55	+ 0.27	-13.05	14 58	..	..	..	8 20 17.77	- 0.63	..	..			
3	η Cancri.	11	27	7.59	+ 0.28	-12.98	18 4	..	..	..	8 26	..	..	..			
4	ε Hydræ	11	41	40.91	+ 0.33	-13.04	32 2	..	..	..	8 41	..	..	..			
January 10, Br.																	
5	β ¹ Scorpii	11	59	46.87	+ 0.56	-13.27	58 22 8.65	42.870	+ 1 44.2	61.6	15 59	..	..	..			
6	Venus II, S.	11	33	8.90	+ 0.55	-13.23	56 0 7.95	45.535	+ 1 35.0	61.0	16 32 56.22	- 1.34	- 17 10 29.7	..			
7	α ¹ Herculis	11	10	15.15	+ 0.42	-13.17	24 20 8.85	46.752	+ 29.0	60.5	17 10	..	..	..			
8	α Ophiuchi	11	30	27.40	+ 0.43	-13.23	26 12 8.90	47.552	+ 31.4	60.6	17 30	..	..	..			
9	μ Herculis	11	42	42.71	+ 0.36	-13.21	11 4 7.62	46.224	+ 12.5	60.4	17 42	..	..	..			
10	Mercury C, C.	11	50	12.59	+ 0.57	-13.20	60 40 8.00	41.746	+ 1 52.8	60.4	17 49 59.96	- 0.08	- 21 49 35.5	..			
11	ζ Cygni	11	8	50.57	+ 0.35	-13.09	9 2 6.82	45.584	+ 10.0	58.2	21 8	..	..	..			
12	β Aquarii	11	26	27.25	+ 0.50	-13.12	44 52 7.30	42.204	+ 1 2.1	58.8	21 26	..	..	..			
13	ε Pegasi	11	39	26.19	+ 0.44	-13.09	29 26 8.32	44.476	+ 35.2	58.7	21 39	..	..	..			
14	α Aquarii	11	0	48.60	+ 0.48	-13.10	39 40 8.50	41.654	+ 57.1	58.9	22 0	..	..	..			
January 14, L.																	
15	α Ursæ Minoris	7	22	40.99	-11.59	[-16.71]	310 6	..	..	..	1 22	..	..	..			
16	β Arietis	11	49	18.81	+ 0.31	[-14.18]	18 32	..	..	..	1 49	..	..	..			
17	β Orionis	11	9	57.14	+ 0.44	-14.31	47 10 7.38	42.987	+ 1 3.1	62.0	5 9	..	..	..			
18	β Tauri	11	20	11.08	+ 0.27	-14.16	10 20 6.70	43.976	+ 10.7	60.0	5 19	..	..	..			
19	Neptune C, C.	11	28	9.58	+ 0.30	-14.24	16 56 7.28	47.221	+ 17.9	60.5	5 27 55.64	..	+ 21 54 14.8	..			
20	ε Orionis	11	31	21.52	+ 0.41	-14.26	40 6 8.55	46.354	+ 49.3	60.9	5 31	..	..	..			
21	α Canis Minoris	11	34	17.43	+ 0.38	-14.21	33 22 8.18	44.036	+ 38.8	61.5	7 34	..	..	..			
22	β Geminorum	11	39	25.21	+ 0.27	-14.27	10 34 7.70	47.932	+ 11.0	59.8	7 39	..	..	..			
23	φ Geminorum	11	47	35.99	+ 0.28	-14.24	11 48 7.58	49.679	+ 12.4	59.6	7 47	..	..	..			
24	Mars I, C	6	13	55.57	+ 0.29	-14.24	14 32 7.68	43.567	+ 15.3	60.5	8 13 41.62	+ 0.68	+ 24 19 26.5	..			
25	Mars II.	5	13	56.94	+ 0.29	-14.24	..	..	..	..	8 13 42.99	- 0.69	..	..			
26	η Cancri.	11	27	8.89	+ 0.31	-14.24	18 4 7.45	45.035	+ 19.3	59.9	8 26	..	..	..			
27	α Ursæ Minoris S. P.	8	22	11.20	+15.15	[-14.20]	307 38 8.38	48.466	- 1 16.6	[59.9]	1 22	..	..	..			
28	ζ Virginis	11	29	47.85	+ 0.38	[-14.22]	38 54 10.40	49.369	+ 48.0	[62.5]	13 29	..	..	..			
January 18, S.																	
29	ο Piscium	11	40	18.22	+ 0.29	-13.70	30 12 5.92	43.824	+ 35.2	61.3	1 40	..	..	..			
30	Moon I, S.	11	51	14.37	+ 0.27	-13.68	22 44 12.82	52.312	+ 25.5	60.7	1 51 0.96	+ 66.79	+ 16 4 24.4	..			
31	α Arietis	11	1	43.55	+ 0.24	-13.65	15 52 10.78	43.810	+ 17.3	60.6	2 1	..	..	..			
32	ξ Ceti	11	7	53.56	+ 0.29	-13.69	30 28 6.38	45.570	+ 35.7	60.3	2 7	..	..	..			
January 19, L.																	
33	α Ursæ Minoris	8	22	29.94	-11.80	[-10.43]	310 6 4.98	44.686	- 1 11.9	[60.8]	1 22	..	..	..			
34	β Arietis	11	49	18.24	+ 0.26	-13.63	18 32 8.70	44.442	+ 20.5	59.1	1 49	..	..	..			
35	γ Ceti	11	38	18.82	+ 0.34	-13.61	36 2 8.78	44.375	+ 44.4	59.7	2 38	..	..	..			
36	Moon I, S.	11	44	16.06	+ 0.28	-13.55	19 0 9.48	42.221	+ 21.0	59.2	2 44 2.79	+ 67.38	+ 19 51 44.3	..			
37	ζ Arietis	11	9	20.79	+ 0.26	-13.49	18 10 8.35	46.619	+ 26.1	59.0	3 9	..	..	..			
38	η Tauri	11	41	44.18	+ 0.25	-13.53	15 4 7.75	42.552	+ 16.5	58.5	3 41	..	..	..			
39	β Tauri	11	20	10.40	+ 0.22	-13.45	10 20 6.20	43.901	+ 11.3	58.9	5 19	..	..	..			
40	Neptune C, C.	11	27	40.32	+ 0.26	-13.51	16 56 6.52	47.722	+ 18.8	59.2	5 27 27.07	..	+ 21 54 3.8	..			
41	α ² Geminorum	11	28	25.86	+ 0.20	-13.48	6 44 5.32	46.939	+ 7.4	60.1	7 28	..	..	..			
42	β ² Geminorum	11	39	24.52	+ 0.22	-13.48	10 34 6.88	47.900	+ 11.6	59.1	7 39	..	..	..			
43	φ Geminorum	11	47	35.32	+ 0.23	-13.47	11 48 7.88	49.610	+ 13.0	59.2	7 47	..	..	..			
44	Mars I, S.	6	5	25.45	+ 0.24	-13.47	14 2 7.52	46.672	+ 15.5	59.2	8 5 12.22	+ 0.65	+ 24 48 26.1	..			
45	Mars II, N.	5	5	26.74	+ 0.24	-13.47	14 2 7.52	45.915	+ 15.5	59.2	8 5 13.51	- 0.64	+ 24 48 40.8	..			
46	η Cancri	11	27	8.23	+ 0.26	-13.46	18 4 7.65	44.929	+ 20.2	58.8	8 26	..	..	..			
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.																	
Time.		Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.				
d	h m	in.	°	°						'	''	''	'	''			
10	16 1	30.348	13.5	9.8	5.	Bisections at I, II.				6	+ 16.4	+ 19.1	..	+ 35.5			
16	17 37	30.364	14.0	11.0	17, 24, 32.	Bisections at II, VI, VII.				10	+ 7.7	..	+ 0.1	+ 7.8			
17	13	30.300	15.3	12.5	27, 33.	Bisections at C ₃ , C ₄ , C ₅ , C ₁ .				19	+ 0.1	..	..	+ 0.1			
17	53	30.358	17.5	15.4	30, 36.	Bisections at II, III, IV, V, VI.				24	+ 3.4	..	0.0	+ 3.4			
21	0	30.314	24.8	22.7	44.	Bisections at I, VII.				30	+21 44.7	+15 25.8	..	+37 10.5			
22	2	30.318	24.7	23.3	45.	Bisections at II, VI.				36	+18 0.5	+15 13.3	..	+33 13.8			
14	5 11	29.690	44.0	43.8						40	+ 0.1	..	..	+ 0.1			
5	35	29.694	43.3	43.9						44	+ 3.3	+ 7.4	0.0	+ 10.7			
7	31	29.720	40.4	41.9						45	+ 3.3	- 7.3	..	- 4.0			
8	21	29.734	40.3	40.6													
13	34	29.774	37.4	37.9													
18	1 35	29.998	35.8	32.9													
2	20	30.016	33.5	31.7													
19	1 18	30.068	32.8	31.0													
1	52	30.066	31.4	30.4													
2	48	30.066	30.8	30.1													
3	46	30.060	29.3	29.0													
5	25	30.050	26.9	26.1													
7	26	30.024	24.9	24.0													
8	18	30.012	24.1	24.0													

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Ursæ Minoris S. P.	8	22 6.32	+14.51	[-13.56]	307 38 5.28	48.808	-1 19.9	[60.1]	1 22 . . .	. . .	. . .	. . .
2	ζ Virginis January 19, K.	10	29 47.38	+0.39	[-13.59]	38 54 6.85	49.392	+ 50.1	[60.6]	13 29 . . .	. . .	. . .	. . .
3	Venus II, S.	11	0 1.74	+0.43	-13.20	56 56 9.72	47.760	+1 35.1	59.7	16 59 48.97	-1.18	-18 7 15.5	. . .
4	Venus N.	. . .	. . .	. . .	. . .	56 56 9.72	46.048	+1 35.1	59.7	. . .	. . .	-18 6 42.8	. . .
5	α ¹ Herculis	11	10 15.51	+0.32	-13.21	24 20 9.78	46.809	+ 28.0	59.6	17 10 . . .	. . .	. . .	. . .
6	α Ophiuchi	11	30 27.72	+0.32	-13.23	26 12 6.30	47.856	+ 30.3	61.0	17 30 . . .	. . .	. . .	. . .
7	μ Herculis	11	42 42.97	+0.26	-13.18	11 4 6.08	46.422	+ 12.1	59.9	17 42 . . .	. . .	. . .	. . .
8	γ ² Sagittarii	8	59 32.15	+0.48	-13.23	69 14 9.10	45.065	+2 40.8	59.5	17 59 . . .	. . .	. . .	. . .
9	Mercury II, C. January 20, K.	11	36 2.45	+0.45	-13.23	61 46 14.35	46.710	+1 53.4	59.7	18 35 49.67	-0.21	-22 57 18.3	. . .
10	Sun I, N.	11	9 51.19	+0.44	-13.25	58 36 6.65	47.622	+1 38.5	59.7	20 9 38.38	+69.58	-19 47 11.5	. . .
11	Sun II, S.	11	12 10.36	+0.44	-13.25	59 8 11.12	48.800	+1 40.7	59.7	20 11 57.55	-69.59	-20 19 44.2	. . .
12	ζ Cygni	11	8 50.86	+0.25	-13.28	9 2 11.05	45.582	+ 9.6	60.0	21 8 . . .	. . .	. . .	. . .
13	β Pegasi	11	17 37.67	+0.30	-13.22	19 28 11.92	46.250	+ 21.2	59.5	21 17 . . .	. . .	. . .	. . .
14	β Aquarii	11	26 27.55	+0.39	-13.30	44 52 16.12	41.892	+ 59.5	58.6	21 26 . . .	. . .	. . .	. . .
15	ε Pegasi	11	39 26.45	+0.34	-13.25	29 26 8.70	44.844	+ 33.7	[63.5]	21 39 . . .	. . .	. . .	. . .
16	ζ Arietis	11	9 20.55	+0.28	-13.28	9 2 7.28	46.702	+ 19.9	59.5	3 9 . . .	. . .	. . .	. . .
17	ε Eridani	11	28 24.91	+0.41	-13.27	48 38 5.60	45.544	+1 8.6	60.8	3 28 . . .	. . .	. . .	. . .
18	Moon I, S.	11	38 13.85	+0.28	-13.25	16 18 2.85	46.924	+ 17.7	60.2	3 38 0.88	+67.89	+22 32 25.0	. . .
19	ζ Persei	11	48 2.15	+0.22	-13.19	7 16 6.62	44.736	+ 7.8	59.9	3 47 . . .	. . .	. . .	. . .
20	γ Eridani	11	53 33.74	+0.42	-13.28	52 38 3.20	44.420	+1 19.1	60.9	3 53 . . .	. . .	. . .	. . .
21	II Orionis	11	59 3.18	+0.31	-13.23	23 34 6.72	47.979	+ 26.5	59.5	4 58 . . .	. . .	. . .	. . .
22	β Orionis	11	9 56.13	+0.41	-13.30	47 10 6.58	42.955	+1 5.3	61.3	5 9 . . .	. . .	. . .	. . .
23	β Tauri	11	20 10.12	+0.24	-13.20	10 20 7.30	43.862	+ 11.1	59.6	5 19 . . .	. . .	. . .	. . .
24	Neptune C, C.	11	27 34.64	+0.28	-13.24	16 56 8.10	47.814	+ 18.5	60.2	5 27 21.68	. . .	+21 54 1.7	. . .
25	ε Orionis January 20, Br.	11	31 20.52	+0.38	-13.24	40 6 5.25	46.422	+ 51.1	60.0	5 31 . . .	. . .	. . .	. . .
26	Venus II, N.	11	3 22.22	+0.32	-13.34	57 4 6.55	42.422	+1 33.3	58.9	17 3 9.20	-1.16	-18 13 28.9	. . .
27	Venus S.	. . .	. . .	. . .	. . .	57 4 6.55	44.085	+1 33.4	58.9	. . .	. . .	-18 14 1.1	. . .
28	α ¹ Herculis	11	10 15.75	+0.25	-13.36	24 20 7.72	46.941	+ 27.4	59.3	17 10 . . .	. . .	. . .	. . .
29	α Ophiuchi	11	30 27.95	+0.26	-13.38	26 12 7.65	47.752	+ 29.7	59.5	17 30 . . .	. . .	. . .	. . .
30	Mercury C, C.	11	41 47.53	+0.33	-13.36	61 50 7.12	44.383	+1 51.4	59.5	18 41 34.50	-0.04	-23 0 25.0	. . .
31	γ Aquilæ	11	41 40.43	+0.26	-13.37	28 28 7.78	47.179	+ 32.3	59.3	19 41 . . .	. . .	. . .	. . .
32	α Aquilæ January 21, Br.	11	46 4.24	+0.27	-13.31	30 14 8.12	46.836	+ 34.6	59.6	19 45 . . .	. . .	. . .	. . .
33	Sun S.	. . .	. . .	. . .	. . .	58 56 22.35	44.422	+1 38.0	60.0	20 15 . . .	. . .	-20 6 25.0	. . .
34	Sun N.	. . .	. . .	. . .	. . .	58 24 8.35	43.310	+1 35.9	60.0	. . .	. . .	-19 33 51.3	. . .
35	β Aquarii	8	26 27.71	+0.29	-13.35	44 52 7.60	42.478	+ 58.4	60.7	21 26 . . .	. . .	. . .	. . .
36	ε Pegasi	11	39 26.69	+0.26	-13.41	29 26 7.62	44.772	+ 33.1	60.3	21 39 . . .	. . .	. . .	. . .
37	α Aquarii	11	0 49.05	+0.28	-13.37	39 40 7.88	42.001	+ 48.5	61.0	22 0 . . .	. . .	. . .	. . .
38	ζ Pegasi	11	36 38.84	+0.26	-13.41	28 32 7.65	46.214	+ 31.8	60.7	22 36 . . .	. . .	. . .	. . .
39	α Pegasi	11	59 57.18	+0.25	-13.40	24 12 7.38	41.835	+ 26.2	60.6	22 59 . . .	. . .	. . .	. . .
40	γ Tauri	11	14 18.05	+0.21	-13.38	23 28 7.28	44.174	+ 25.5	61.3	4 14 . . .	. . .	. . .	. . .
41	ε Tauri	11	22 58.56	+0.19	-13.37	19 54 7.02	43.221	+ 21.3	60.9	4 22 . . .	. . .	. . .	. . .
42	Moon I, S.	11	32 51.15	+0.17	-13.40	14 50 13.25	46.882	+ 15.6	61.3	4 32 37.92	+68.07	+24 0 18.6	. . .
43	ι Aurigæ	11	50 40.93	+0.12	-13.43	5 50 6.28	47.140	+ 6.1	61.5	4 50 . . .	. . .	. . .	. . .
44	II Orionis	11	59 3.48	+0.21	-13.44	23 34 7.38	48.088	+ 25.7	61.4	4 58 . . .	. . .	. . .	. . .
45	Neptune C, C.	11	27 29.58	+0.18	-13.41	16 56 7.15	48.112	+ 18.0	61.3	5 27 16.35	. . .	+21 53 58.6	. . .
46	δ Geminorum	11	14 21.65	+0.18	-13.38	16 40 7.15	47.994	+ 17.7	62.0	7 14 . . .	. . .	. . .	. . .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
19	13 10	29.990	22.1	21.1	I. Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	3	+ 14.5	+ 16.5	. . .	. . .	+ 31.0
13	34	29.990	21.9	20.7	3. 26. Bisections at I, VII.	4	+ 14.5	- 16.5	. . .	+ 0.3	- 1.7
16	57	30.040	23.8	21.6	4. 27. Bisections at II, VI.	9	+ 6.8	. . .	. . .	0.0	+ 6.8
17	28	30.040	25.5	25.5	8. 34. Bisection at VII.	10	+ 7.7	-16 16.4	. . .	. . .	-16 8.7
17	44	. . .	26.3	26.3	10, 33. Bisections at I, II.	11	+ 7.7	+16 16.3	. . .	. . .	+16 24.0
18	1	30.048	28.5	27.2	11. Bisections at VI, VII.	18	+15 21.1	+15 3.0	. . .	. . .	+30 24.1
18	38	30.048	30.6	29.7	18, 42. Bisections at II, III, IV, V, VI.	24	+ 0.1	. . .	. . .	. . .	+ 0.1
20	20 12	29.986	35.2	35.0	23, 35. Bisections at II, VI, VII.	26	+ 14.2	- 16.2	. . .	+ 0.2	- 1.8
21	6	29.956	38.0	37.1	30. Bisections at I, VI, VII.	27	+ 14.2	+ 16.2	. . .	. . .	+ 30.4
21	19	. . .	37.5	37.5		30	+ 6.6	. . .	. . .	0.0	+ 6.6
21	28	. . .	38.0	38.0		33	+ 7.7	+16 16.8	. . .	. . .	+16 24.5
21	41	29.950	39.4	37.9		34	+ 7.6	-16 16.8	. . .	. . .	-16 9.2
3	7	29.950	33.0	32.6		42	+13 52.4	+14 55.2	. . .	. . .	+28 47.6
3	30	. . .	. . .	32.1		45	+ 0.1	. . .	. . .	. . .	+ 0.1
3	41	. . .	. . .	32.0							
3	57	29.932	32.0	31.4							
4	57	29.924	31.5	30.9							
5	11	. . .	. . .	30.8							
5	21	. . .	. . .	30.7							
5	33	29.920	31.8	30.7							
16	55	29.790	29.5	28.2							
17	38	29.780	32.0	30.9							
18	51	29.746	35.5	34.0							
19	51	29.692	38.5	37.1							
21	20 16	29.686	39.5	38.8							
21	42	29.628	43.5	42.1							
22	5	. . .	. . .	42.9							
22	39	29.612	44.6	43.4							
23	4	29.600	45.0	43.8							
4	2	29.544	40.8	39.9							
5	2	29.542	40.3	39.0							
5	32	29.538	40.1	38.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^2 Geminorum . . .	11	28 25.90	+ 0.13	-13.45	6 44 6.75	46.908	+ 7.0	60.8	7 28 . .	. .		. .
2	β Geminorum . . .	11	39 24.56	+ 0.15	-13.43	10 34 6.32	48.062	+ 11.1	61.2	7 39 . .	. .		. .
3	φ Geminorum . . .	11	47 35.40	+ 0.16	-13.46	11 48 6.45	49.836	+ 12.4	61.6	7 47 . .	. .		. .
	January 22, S.												
4	α Ursæ Minoris . . .	8	22 28.44	- 8.60	[-14.76]	310 6 . .	. .	. .	. .	1 22 . .	. .		. .
5	σ Piscium	11	40 17.98	+ 0.23	-13.45	30 12 . .	. .	. .	. .	1 40 . .	. .		. .
6	β Arietis	11	49 18.19	+ 0.19	-13.55	18 32 . .	. .	. .	. .	1 49 . .	. .		. .
7	η Orionis	11	59 3.43	+ 0.21	-13.40	23 34 6.52	48.094	+ 25.5	60.5	4 58 . .	. .		. .
8	β Tauri	11	20 10.39	+ 0.16	-13.40	10 20 4.92	44.044	+ 10.7	59.9	5 19 . .	. .		. .
9	Moon I, S.	11	27 28.70	+ 0.18	-13.41	14 38 11.62	45.501	+ 15.3	60.1	5 27 15.47	+ 67.73	+ 24 12 45.8	. .
10	α Orionis	11	49 57.92	+ 0.23	-13.42	31 28 6.55	43.098	+ 35.8	59.8	5 49 . .	. .		. .
11	ν Orionis	11	2 4.18	+ 0.21	-13.41	24 4 6.38	45.038	+ 26.2	60.2	6 1 . .	. .		. .
12	θ Virginis	11	4 58.10	+ 0.30	-13.55	43 50 6.48	46.545	+ 57.0	60.3	13 4 . .	. .		. .
13	α Ursæ Minoris S. P.	7	22 7.89	+ 6.46	[-9.72]	307 38 4.20	48.667	- 1 16.5	[59.8]	1 22 . .	. .		. .
14	η Bootis	11	50 7.05	+ 0.25	-13.42	19 56 6.32	48.069	+ 21.6	60.2	13 49 . .	. .		. .
	January 23, La.												
15	β Ceti	11	38 45.13	+ 0.12	-13.25	57 22 6.15	45.866	+ 1 31.0	[62.4]	0 38 . .	. .		. .
16	β Andromedæ . . .	11	4 18.72	- 0.01	-13.28	3 46 6.10	44.536	+ 3.9	[61.4]	1 4 . .	. .		. .
17	α Ursæ Minoris . . .	11	22 26.36	- 9.39	[-12.80]	310 5 21.62	46.752	- 1 9.3	[59.5]	1 22 . .	. .		. .
18	β Tauri	11	20 10.26	+ 0.09	-13.21	10 20 6.22	43.956	+ 10.9	59.7	5 19 . .	. .		. .
19	Neptune C, C. . . .	11	27 19.06	+ 0.10	-13.17	16 56 6.05	48.226	+ 18.1	60.1	5 27 5.99	. .	+ 21 53 56.2	. .
20	ν Orionis	11	2 3.89	+ 0.12	-13.03	24 4 7.20	45.035	+ 26.6	61.4	6 1 . .	. .		. .
21	μ Geminorum	11	17 6.90	+ 0.10	-13.14	16 16 6.48	48.237	+ 17.4	59.8	6 16 . .	. .		. .
22	Moon I, N.	11	21 17.48	+ 0.10	-13.16	15 10 8.68	44.073	+ 16.2	60.1	6 21 4.42	+ 66.87	+ 23 41 15.3	. .
23	γ Geminorum	11	32 8.53	+ 0.12	-13.24	22 22 6.25	44.268	+ 24.5	60.1	6 31 . .	. .		. .
24	δ Geminorum	11	14 21.52	+ 0.10	-13.16	16 40 5.85	47.893	+ 17.9	59.5	7 14 . .	. .		. .
25	α^2 Geminorum	11	28 25.80	+ 0.08	-13.28	6 44 5.55	46.964	+ 7.1	60.8	7 28 . .	. .		. .
26	β Geminorum	11	39 24.46	+ 0.09	-13.25	10 34 5.08	48.012	+ 11.2	59.1	7 39 . .	. .		. .
27	φ Geminorum	11	47 35.15	+ 0.09	-13.12	11 48 5.55	49.802	+ 12.5	60.1	7 47 . .	. .		. .
28	Mars I, S.	5	58 41.26	+ 0.10	-13.22	13 42 7.32	47.085	+ 14.6	60.1	7 58 28.14	+ 0.63	+ 25 8 20.4	. .
29	Mars II, N.	6	58 42.52	+ 0.10	-13.22	13 42 7.32	46.215	+ 14.6	60.1	7 58 29.40	- 0.63	+ 25 8 36.9	. .
	January 24, L.												
30	Venus II, S.	11	17 20.75	+ 0.22	-13.36	57 30 6.62	45.886	+ 1 34.2	59.5	17 17 7.61	- 1.10	- 18 40 35.8	. .
31	α Ophiuchi	11	30 28.13	+ 0.15	-13.35	26 12 6.65	47.849	+ 29.6	59.5	17 30 . .	. .		. .
32	η Serpentis	11	16 18.35	+ 0.18	-13.33	41 46 6.70	44.846	+ 53.6	60.3	18 16 . .	. .		. .
33	β Lyrae	11	46 33.78	+ 0.09	-13.34	5 36 5.60	46.761	+ 5.9	59.2	18 46 . .	. .		. .
34	ζ Aquilæ	11	0 59.19	+ 0.15	-13.37	25 8 7.20	45.156	+ 28.2	59.1	19 0 . .	. .		. .
35	Mercury C, C. . . .	11	5 39.39	+ 0.22	-13.34	61 52 7.52	42.805	+ 1 51.8	59.5	19 5 26.27	- 0.03	- 23 1 55.2	. .
	January 25, L.												
36	Sun I, S.	11	30 51.62	+ 0.22	-13.32	57 58 5.18	48.982	+ 1 35.4	59.5	20 30 38.52	+ 69.08	- 19 9 33.2	. .
37	Sun II, N.	11	33 9.78	+ 0.22	-13.32	57 26 4.08	47.200	+ 1 33.3	59.5	20 32 56.68	- 69.08	- 18 36 59.3	. .
38	ζ Cygni	10	8 50.99	+ 0.10	-13.25	9 2 3.85	45.940	+ 9.5	58.4	21 8 . .	. .		. .
39	γ Pegasi	11	17 37.90	+ 0.13	-13.26	19 28 6.15	46.568	+ 21.1	58.8	21 17 . .	. .		. .
40	ϵ Pegasi	11	39 26.71	+ 0.16	-13.33	29 26 7.40	44.785	+ 33.6	60.3	21 39 . .	. .		. .
41	α Aquarii	11	0 49.14	+ 0.18	-13.36	39 40 7.92	41.949	+ 49.3	60.6	22 0 . .	. .		. .
42	ϵ Piscium	11	57 56.13	+ 0.11	[-13.28]	31 30 7.05	44.188	+ 36.3	58.9	0 57 . .	. .		. .
43	α Ursæ Minoris . . .	8	22 26.30	- 11.55	[-12.58]	310 6 5.15	44.584	- 1 10.0	[60.7]	1 22 . .	. .		. .
44	β Tauri	11	20 10.49	+ 0.08	-13.44	10 20 7.45	43.814	+ 11.0	58.4	5 19 . .	. .		. .
45	Neptune C, C. . . .	11	27 9.32	+ 0.10	-13.39	16 56 8.42	48.232	+ 18.3	58.7	5 26 56.03	. .	+ 21 53 52.1	. .
46	ϵ Orionis	11	31 20.79	+ 0.18	-13.35	40 6 8.70	46.231	+ 50.6	58.8	5 31 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
21 8 4	29.528	39.5	38.0	9, 22.	Bisections at II, III, IV, V, VI.	9	+13 35.7	+14 49.5	. .	+28 25.2
22 4 52	29.747	45.8	46.5	13, 43.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	19	+ 0.1	. .	. .	+ 0.1
6 9	29.774	44.5	44.9	17.	Bisections at C ₁ , C ₃ , C ₅ .	22	+14 1.2	-14 46.0	. .	- 0 44.8
13 10	29.812	38.8	38.8	21, 24.	Bisections at II, VI, VII.	28	+ 3.2	+ 8.2	0.0	+ 11.4
13 54	29.823	39.3	38.9	28.	Bisections at II, VI.	29	+ 3.2	- 8.3	. .	- 5.1
0 42	29.800	47.2	46.9	29.	Bisections at I, VII.	30	+ 13.5	+ 15.6	. .	+ 29.1
1 23	29.778	44.6	43.7	36.	Bisections at I, II.	35	+ 6.3	. .	0.1	+ 6.2
5 24	29.730	38.8	37.7	37.	Bisections at VI, VII.	36	+ 7.6	+16 17.0	. .	+16 24.6
7 9	29.722	38.0	36.7			37	+ 7.6	-16 16.9	. .	-16 9.3
7 54	29.676	36.0	34.7			45	+ 0.1	. .	. .	+ 0.1
17 18	29.652	33.1	30.2							
17 31	. . .	. . .	30.9							
18 18	29.698	34.0	31.7							
19 8	29.720	35.0	32.3							
20 34	29.718	36.8	34.6							
21 19	29.722	37.8	35.5							
21 42	. . .	. . .	36.1							
22 2	29.710	39.0	36.8							
0 59	29.754	40.2	38.8							
1 19	. . .	. . .	37.9							
5 17	29.754	33.0	32.9							
5 34	. . .	. . .	32.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	δ Geminorum . . .	11	14 21.65	+ 0.10	-13.28	16 40 7.70	47.795	+ 18.1	59.1	7 14 . .	. .		. .
2	β Geminorum . . .	11	39 24.55	+ 0.08	-13.33	10 34 7.92	47.804	+ 11.3	58.2	7 39 . .	. .		. .
3	ϕ Geminorum . . .	11	47 35.35	+ 0.08	-13.30	11 48 8.45	49.572	+ 12.7	58.9	7 47 . .	. .		. .
4	Mars I, N.	6	55 24.82	+ 0.09	-13.29	13 34 9.20	43.950	+ 14.6	58.7	7 55 11.62	+ 0.65	+ 25 17 17.2	. .
5	Mars II, S.	5	55 26.12	+ 0.09	-13.29	13 34 9.20	44.762	+ 14.6	58.7	7 55 12.92	- 0.65	+ 25 17 1.4	. .
6	Moon I, S.	11	3 56.29	+ 0.12	-13.29	20 58 7.22	44.985	+ 23.2	58.7	8 3 43.12	+ 64.26	+ 17 52 50.8	. .
7	η Cancri	11	27 8.27	+ 0.11	-13.28	18 4 7.98	44.944	+ 19.7	58.8	8 26 . .	. .		. .
8	ι Virginis	11	4 58.06	+ 0.25	-13.37	43 50 8.98	46.380	+ 57.9	[60.0]	13 4 . .	. .		. .
9	α Ursæ Minoris S. P. January 25, Br.	8	22 2.81	+ 10.30	-11.46	307 38 5.35	48.640	- 1 17.7	[59.3]	1 22 . .	. .		. .
10	α Lyrae	7	33 43.66	+ 0.15	-13.33	0 10 4.72	45.180	+ 0.2	60.1	18 33 . .	. .		. .
11	β Lyrae	11	46 33.67	+ 0.18	-13.29	5 36 5.18	46.864	+ 5.8	60.5	18 46 . .	. .		. .
12	Mercury C, C. . . . January 26, Br.	10	11 47.72	+ 0.34	-13.31	61 48 6.22	47.672	+ 1 49.1	61.5	19 11 34.75	- 0.03	- 22 59 22.5	. .
13	Sun I, N.	11	35 1.19	+ 0.33	-13.30	57 12 14.78	43.652	+ 1 29.7	61.5	20 34 48.22	+ 68.85	- 18 21 52.9	. .
14	Sun II, S.	11	37 18.89	+ 0.33	-13.30	57 44 16.85	44.915	+ 1 31.6	61.5	20 37 5.92	- 68.85	- 18 54 24.6	. .
15	β Aquarii	11	26 27.67	+ 0.30	-13.30	44 52 6.15	42.694	+ 57.2	61.4	21 26 . .	. .		. .
16	ϵ Pegasi	11	39 26.55	+ 0.26	-13.27	29 26 6.60	44.959	+ 32.4	61.6	21 39 . .	. .		. .
17	α Aquarii	11	0 48.98	+ 0.29	-13.30	39 40 7.18	42.115	+ 47.5	61.8	22 0 . .	. .		. .
18	ζ Pegasi	11	36 38.68	+ 0.26	-13.26	28 32 6.40	46.460	+ 31.1	62.9	22 36 . .	. .		. .
19	α Pegasi	11	59 57.05	+ 0.24	-13.29	24 12 5.32	42.080	+ 25.7	62.0	22 59 . .	. .		. .
20	ι Aurigæ	11	50 40.82	+ 0.38	-13.33	5 50 6.20	47.139	+ 6.0	61.6	4 50 . .	. .		. .
21	Π Orionis	11	59 3.43	+ 0.14	-13.37	23 34 7.30	48.146	+ 25.2	61.7	4 58 . .	. .		. .
22	β Tauri	11	20 10.28	+ 0.09	-13.25	10 20 6.08	44.056	+ 10.6	61.2	5 19 . .	. .		. .
23	Neptune C, C. . . .	11	27 4.52	+ 0.12	-13.29	16 58 6.75	42.288	+ 17.6	61.1	5 26 51.35	. .	+ 21 53 50.9	. .
24	ϵ Orionis	11	31 20.65	+ 0.18	-13.22	40 6 7.05	46.579	+ 48.6	61.7	5 31 . .	. .		. .
25	ϕ Geminorum	11	39 24.45	+ 0.10	-13.24	10 34 6.70	47.967	+ 10.9	60.3	7 39 . .	. .		. .
26	ϕ Geminorum	11	47 35.35	+ 0.10	-13.31	11 48 6.92	49.781	+ 12.3	61.1	7 47 . .	. .		. .
27	Mars I, N.	6	53 48.53	+ 0.10	-13.29	13 30 7.08	44.068	+ 14.1	61.1	7 53 35.34	+ 0.62	+ 25 21 19.8	. .
28	Mars II, S.	5	53 49.76	+ 0.10	-13.29	13 30 7.08	45.075	+ 14.1	61.1	7 53 36.57	- 0.61	+ 25 21 0.7	. .
29	η Cancri	11	27 8.33	+ 0.12	-13.35	18 4 7.12	45.091	+ 19.2	60.3	8 26 . .	. .		. .
30	ϵ Hydrae	11	41 41.58	+ 0.16	-13.32	32 2 7.78	49.546	+ 36.7	61.5	8 41 . .	. .		. .
31	Moon II, S.	11	54 25.64	+ 0.14	-13.29	24 54 7.72	48.830	+ 27.3	61.1	8 54 12.49	- 63.00	+ 13 55 34.9	. .
32	α Hydrae	11	22 53.08	+ 0.20	-13.24	47 4 7.38	43.811	+ 1 3.1	60.6	9 22 . .	. .		. .
33	ϵ Leonis	11	40 23.25	+ 0.11	-13.30	14 36 7.40	47.751	+ 15.4	61.2	9 40 . .	. .		. .
34	Venus II, N.	11	24 39.99	+ 0.12	-13.11	57 42 4.45	36.320	+ 1 36.2	60.5	17 24 27.00	- 1.07	- 18 52 46.3	. .
35	Venus S.	11	30 28.05	+ 0.09	-13.16	26 12 6.42	47.924	+ 30.0	60.7	17 30 . .	. .		. .
36	α Ophiuchi	11	42 43.27	+ 0.06	-13.10	11 4 5.08	46.580	+ 12.0	60.1	17 42 . .	. .		. .
37	μ Herculis	8	16 18.27	+ 0.11	-13.14	41 46 6.82	44.891	+ 54.5	61.9	18 16 . .	. .		. .
38	η Serpentis	11	33 43.50	+ 0.03	-13.03	0 10 3.48	45.272	+ 0.2	60.3	18 33 . .	. .		. .
39	α Lyrae	11	18 0.11	+ 0.13	-13.09	61 43 59.12	38.511	+ 1 53.2	61.2	19 17 47.15	- 0.03	- 22 55 39.3	. .
40	Mercury C, C. . . . January 27, K.	11	39 9.78	+ 0.13	-13.08	57 28 4.00	47.420	+ 1 35.5	61.7	20 38 56.83	+ 68.91	- 18 39 0.0	. .
41	Sun I, S.	11	41 27.61	+ 0.13	-13.08	56 56 2.58	45.800	+ 1 33.5	61.7	20 41 14.66	- 68.92	- 18 6 29.0	. .
42	Sun II, N.	11	39 26.51	+ 0.10	-13.06	29 26 9.82	44.718	+ 34.4	62.1	21 39 . .	. .		. .
43	ϵ Pegasi	11	0 48.95	+ 0.11	-13.09	39 40 11.30	41.821	+ 50.5	62.6	22 0 . .	. .		. .
44	α Aquarii	11	59 56.95	+ 0.09	-13.04	24 12 6.22	41.946	+ 27.4	62.0	22 59 . .	. .		. .
45	α Pegasi	11	20 10.11	+ 0.22	-13.21	10 20 5.60	43.992	+ 11.3	60.3	5 19 . .	. .		. .
46	β Tauri	11	20 10.11	+ 0.22	-13.21	10 20 5.60	43.992	+ 11.3	60.3	5 19 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
25 7 16	29.750	31.4	30.7	4, 28, 35.	Bisections at II, VI.	4	+ 3.1	- 7.9	. .	- 4.8
25 8 18	29.738	32.1	30.0	5, 27, 34.	Bisections at I, VII.	5	+ 3.1	+ 7.9	0.0	+ 11.0
13 1	29.650	30.1	29.1	6.	Bisections at II, III, V, VI.	6	+ 19 11.0	+ 14 44.1	. .	+ 33 55.1
13 17	. . .	. . .	29.1	9.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	12	+ 6.2	. . .	- 0.1	+ 6.1
18 25	29.638	39.5	38.0	13, 41.	Bisections at I, II.	13	+ 7.5	- 16 15.8	. .	- 16 8.3
19 13	29.622	43.5	42.1	14, 42.	Bisections at VI, VII.	14	+ 7.6	+ 16 15.8	. .	+ 16 23.4
20 37	29.553	46.3	46.8	17, 25.	Bisections at II, VI, VII.	23	+ 0.1	. . .	. .	+ 0.1
21 28	29.518	49.8	49.4	34, 35, 40.	Z. D. thread A used.	27	+ 3.1	- 9.6	. .	- 6.5
22 2	29.502	52.0	50.7	31.	Bisections at II, III, IV, V, VI.	28	+ 3.1	+ 9.6	- 0.1	+ 12.6
22 38	29.492	53.0	51.6			31	+ 22 38.8	+ 14 45.5	. .	+ 37 24.3
23 3	29.474	53.2	51.9			34	+ 13.2	- 16.3	+ 0.2	- 2.9
4 43	29.364	47.5	46.0			35	+ 13.2	+ 16.3	. .	+ 29.5
5 36	29.350	46.8	44.9			40	+ 6.2	. . .	- 0.1	+ 6.1
7 43	29.426	43.0	40.9			41	+ 7.6	+ 16 15.4	. .	+ 16 23.0
7 59	29.428	42.5	40.0			42	+ 7.5	- 16 15.5	. .	- 16 8.0
8 30	29.434	41.2	38.9							
9 5	29.444	40.6	38.7							
9 28	29.452	39.8	37.5							
9 43	29.470	39.5	37.0							
17 22	29.700	29.2	25.1							
17 32	. . .	. . .	25.0							
17 44	. . .	. . .	24.8							
18 18	. . .	. . .	24.3							
18 27	29.732	27.8	24.4							
19 20	29.738	29.6	24.6							
20 42	29.734	29.2	24.8							
21 37	29.750	29.7	25.4							
22 2	. . .	. . .	25.3							
23 1	29.770	29.7	26.0							
5 17	29.840	22.8	19.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Neptune C, C. . . .	11	26 59.49	+ 0.24	-13.19	16 56 3.08	48.685	+ 18.9	60.1	5 26 46.54	.	+ 21 53 49.6	.
2	ε Orionis	11	31 20.52	+ 0.31	-13.22	40 6 3.22	46.555	+ 52.1	60.8	5 31 . . .	.	.	.
3	α Orionis	11	49 57.55	+ 0.29	-13.13	31 28 3.95	43.176	+ 37.9	60.4	5 49 . . .	.	.	.
4	α Canis Minoris . . .	11	34 16.61	+ 0.29	-13.23	33 22 5.70	44.061	+ 40.8	60.1	7 34 . . .	.	.	.
5	β Geminorum	11	39 24.27	+ 0.22	-13.17	10 34 13.10	47.542	+ 11.6	59.3	7 39 . . .	.	.	.
6	φ Geminorum	11	47 34.92	+ 0.23	-13.01	11 48 2.75	49.891	+ 13.0	59.7	7 47 . . .	.	.	.
7	Mars I, S.	5	52 13.74	+ 0.23	-13.13	13 25 57.88	46.198	+ 14.9	60.1	7 52 0.84	+ 0.66	+ 25 24 46.3	.
8	Mars II, N.	5	52 15.05	+ 0.23	-13.13	13 25 57.88	45.220	+ 14.9	60.1	7 52 2.15	- 0.65	+ 25 25 5.3	.
January 29, Ia.													
9	α ¹ Herculis	11	10 16.27	+ 0.24	-13.62	24 20 7.30	46.994	+ 27.7	58.5	17 10 . . .	.	.	.
10	α Ophiuchi	11	30 28.47	+ 0.25	-13.66	26 12 7.62	47.821	+ 30.1	59.5	17 30 . . .	.	.	.
11	Venus II, S.	11	36 2.55	+ 0.38	-13.69	58 0 6.32	47.180	+ 37.6	59.4	17 35 49.24	- 1.03	- 19 11 3.8	.
12	δ Ursæ Minoris . . .	9	4 43.74	- 4.54	[-13.55]	312 16 . . .	.	.	.	18 4 . . .	.	.	.
13	α Lyrae	11	33 44.13	+ 0.10	-13.67	0 10 6.78	45.105	+ 0.2	59.6	18 33 . . .	.	.	.
14	β Lyrae	10	46 34.18	+ 0.14	-13.69	5 36 6.32	46.785	+ 6.0	59.5	18 46 . . .	.	.	.
15	Mercury C, C. . . .	11	36 56.26	+ 0.39	-13.70	61 26 7.02	46.064	+ 50.9	59.4	19 36 42.95	- 0.02	- 22 36 56.4	.
16	α Aquilæ	11	46 4.91	+ 0.26	-13.84	30 14 7.32	46.889	+ 35.3	59.2	19 45 . . .	.	.	.
January 30, Ia.													
17	Sun I, N.	11	51 31.77	+ 0.37	-13.71	56 8 17.82	44.598	+ 29.0	59.4	20 51 18.43	+ 68.44	- 17 18 15.4	.
18	Sun II, S.	11	53 48.65	+ 0.37	-13.71	56 40 22.55	45.652	+ 30.9	59.4	20 53 35.31	- 68.44	- 17 50 45.8	.
19	α Pegasi	11	59 57.44	+ 0.24	-13.70	24 12 7.25	41.855	+ 26.7	60.2	22 59 . . .	.	.	.
20	α Andromedæ	11	3 23.91	+ 0.20	-13.74	10 20 6.08	41.585	+ 10.9	59.5	0 3 . . .	.	.	.
21	α Ursæ Minoris . . .	11	22 22.35	- 12.73	[-12.76]	310 6 4.08	44.600	- 10.2	[59.5]	1 21 . . .	.	.	.
22	α ² Geminorum	.	.	.	.	6 44 5.90	46.856	+ 7.2	59.6	7 28 . . .	.	.	.
23	β Geminorum	.	.	.	.	10 34 6.30	47.906	+ 11.3	58.7	7 39 . . .	.	.	.
24	Mars S.	.	.	.	.	13 16 6.98	45.755	+ 14.2	59.2	7 47 . . .	.	+ 25 34 45.7	.
25	Mars N.	.	.	.	.	13 16 6.98	45.025	+ 14.2	59.2	.	.	+ 25 34 59.5	.
January 31, S.													
26	α Ophiuchi	11	30 28.85	+ 0.50	-14.24	26 12 9.05	47.736	+ 31.6	60.4	17 30 . . .	.	.	.
27	Venus II, S.	11	43 52.11	+ 0.62	-14.22	58 10 8.68	49.229	+ 43.1	61.3	17 43 38.51	- 1.01	- 19 21 49.1	.
28	α Lyrae	11	33 44.35	+ 0.40	-14.14	0 10 6.45	45.226	+ 0.3	61.2	18 33 . . .	.	.	.
29	ε Aquilæ	11	0 59.81	+ 0.50	-14.21	25 8 8.75	45.108	+ 30.0	60.3	19 0 . . .	.	.	.
30	γ Aquilæ	11	41 41.28	+ 0.51	-14.31	28 28 7.88	47.236	+ 34.5	60.9	19 41 . . .	.	.	.
31	α Aquilæ	11	46 5.06	+ 0.51	-14.21	30 14 8.45	46.900	+ 37.1	62.1	19 45 . . .	.	.	.
32	Mercury C, C. . . .	11	49 47.41	+ 0.63	-14.22	61 8 7.65	42.846	+ 55.0	60.7	19 49 33.82	- 0.02	- 22 17 58.1	.
February 1, S.													
33	Sun I, N.	11	59 42.52	+ 0.61	-14.22	55 34 13.68	45.562	+ 32.7	60.4	20 59 28.91	+ 68.23	- 16 44 32.5	.
34	Sun II, S.	11	1 58.97	+ 0.61	-14.22	56 6 11.85	46.990	+ 34.0	60.4	21 1 45.36	- 68.22	- 17 17 2.9	.
35	α Piscis Australis . .	11	52 18.20	+ 0.67	-14.35	68 58 7.25	45.091	+ 42.4	59.8	22 52 . . .	.	.	.
36	α Pegasi	11	59 57.75	+ 0.49	-14.26	24 12 9.38	41.640	+ 28.2	59.5	22 59 . . .	.	.	.
37	α Andromedæ	11	3 24.07	+ 0.44	-14.16	10 20 7.22	41.522	+ 11.5	59.6	0 3 . . .	.	.	.
38	γ Pegasi	11	8 16.30	+ 0.49	-14.20	24 14 8.35	42.819	+ 28.2	59.8	0 8 . . .	.	.	.
39	β Andromedæ	11	4 19.04	+ 0.41	-14.16	3 46 6.65	44.454	+ 4.2	59.6	1 4 . . .	.	.	.
40	α Ursæ Minoris . . .	9	22 19.23	- 6.47	[-17.74]	310 6 6.48	44.703	- 13.9	[59.8]	1 21 . . .	.	.	.
41	α Piscium	11	40 18.34	+ 0.51	-14.21	30 12 8.98	43.528	+ 36.5	59.1	1 40 . . .	.	.	.
42	α Geminorum	8	14 22.28	+ 0.49	-14.29	16 40 7.98	47.635	+ 19.0	58.6	7 14 . . .	.	.	.
43	α ² Geminorum	11	28 26.59	+ 0.45	-14.42	6 44 6.88	46.681	+ 7.6	57.7	7 28 . . .	.	.	.
44	β Geminorum	11	39 25.19	+ 0.47	-14.33	10 34 7.70	47.736	+ 11.9	57.5	7 39 . . .	.	.	.
45	Mars I, S.	6	44 51.07	+ 0.48	-14.36	13 10 7.72	47.348	+ 14.9	58.4	7 44 37.19	+ 0.59	+ 25 40 12.9	.
46	Mars II, N.	5	44 52.24	+ 0.48	-14.36	13 10 7.72	46.520	+ 14.9	58.4	7 44 38.36	- 0.58	+ 25 40 28.6	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Cor. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
27 5 51	29.846	22.0	19.6	5.	Bisections at II, VI, VII.	1	+	0.1	.	+ 0.1
7 35	29.810	20.3	18.8			7	+	3.0	+	12.5
7 54	29.816	19.8	18.5	7, 25, 46.	Bisections at I, VII.	8	+	3.0	-	6.5
29 17 8	29.764	24.4	23.8	8, 24, 45.	Bisections at II, VI.	11	+	12.8	+	27.4
18 41	29.796	29.2	27.2	14.	Bisections at II, VII.	15	+	6.0	-	5.9
19 53	29.794	31.9	30.3	17, 33.	Bisections at I, II.	17	+	7.4	-16 15.2	-16 7.8
30 20 54	29.758	35.0	34.1	18, 34, 42.	Bisections at VI, VII.	18	+	7.5	+16 15.1	+16 22.6
23 3	29.708	33.2	37.7	21, 40.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	24	+	3.0	+	9.9
0 11	29.726	35.0	37.4			25	+	3.0	-	3.9
1 34	29.730	38.2	37.1			27	+	12.5	+	26.7
7 29	29.734	31.8	31.2			32	+	5.9	-	5.8
7 53	29.736	31.8	31.3			33	+	7.4	-16 15.2	-16 7.8
17 28	30.051	10.4	6.4			34	+	7.4	+16 15.2	+16 22.6
18 40	30.055	12.0	8.4			45	+	3.0	+	10.8
19 53	30.075	15.0	11.2			46	+	3.0	-	4.9
21 2	30.046	16.2	13.2							
22 54	30.031	20.2	16.0							
0 10	30.027	19.3	17.1							
1 16	30.016	19.0	17.2							
1 49	30.018	18.9	17.1							
7 8	29.977	13.6	12.2							
7 50	29.968	13.4	12.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	η Cancri	11	27 9.05	+ 0.50	-14.40	18 4 8.00	44.882	+ 20.7	58.5	8 26 . . .	. . .	. . .	. . .
2	θ Virginis	11	4 59.05	+ 0.68	-14.36	43 50 8.68	46.274	+ 1 0.5	58.9	13 4 . . .	. . .	. . .	. . .
3	α Ursæ Minoris s. p. . .	8	21 51.66	+13.96	[-11.02]	307 38 5.78	48.738	+ 1 21.2	[58.7]	1 21 . . .	. . .	. . .	. . .
4	Moon II, S.	11	36 4.53	+ 0.77	-14.50	55 0 13.88	46.549	+ 1 29.9	58.4	13 35 50.80	-66.27	- 16 10 52.7	. . .
5	η Bootis	11	50 8.15	+ 0.54	-14.49	19 56 7.48	47.948	+ 22.9	59.0	13 49 . . .	. . .	. . .	. . .
6	α Bootis	11	11 18.77	+ 0.53	-14.54	19 8 7.55	47.141	+ 21.9	57.7	14 11 . . .	. . .	. . .	. . .
7	α² Libræ	11	45 32.75	+ 0.75	-14.63	54 26 6.92	48.820	+ 1 28.2	58.9	14 45 . . .	. . .	. . .	. . .
8	February 2, L.												
9	α² Geminorum	11	28 27.36	+ 0.23	-14.97	6 44 7.32	46.636	+ 7.3	57.1	7 28 . . .	. . .	. . .	. . .
10	β Geminorum	11	39 26.10	+ 0.27	-15.04	10 34 7.35	47.706	+ 11.5	56.2	7 39 . . .	. . .	. . .	. . .
11	Mars I, S.	6	43 30.15	+ 0.29	-15.00	13 8 7.42	46.085	+ 14.4	56.7	7 43 15.44	+ 0.59	+ 25 42 36.0	. . .
12	Mars II, N.	5	43 31.32	+ 0.29	-15.00	13 8 7.42	45.328	+ 14.4	56.7	7 43 16.61	- 0.58	+ 25 42 50.7	. . .
13	φ Geminorum	11	47 36.88	+ 0.28	-15.00	11 48 6.45	49.546	+ 12.9	56.9	7 47 . . .	. . .	. . .	. . .
14	η Cancri	11	27 9.84	+ 0.33	-15.01	18 4 6.92	44.872	+ 20.1	56.7	8 26 . . .	. . .	. . .	. . .
15	February 3, K.												
16	β Libræ	11	11 50.44	+ 0.48	-15.29	47 50 9.55	47.854	+ 1 5.0	60.3	15 11 . . .	. . .	. . .	. . .
17	μ² Bootis	11	20 56.40	+ 0.20	-15.21	1 6 5.68	50.420	+ 1.2	58.5	15 20 . . .	. . .	. . .	. . .
18	Moon II, S.	11	28 7.13	+ 0.59	-15.26	62 24 6.28	46.349	+ 1 52.5	59.5	15 27 52.46	-71.64	- 23 35 2.8	. . .
19	α Coronæ Borealis . . .	11	30 40.60	+ 0.28	-15.24	11 48 . . .	. . .	. . .	. . .	15 30 . . .	. . .	. . .	. . .
20	α Serpentis	11	39 33.57	+ 0.40	-15.31	32 6 7.08	45.832	+ 37.0	59.6	15 39 . . .	. . .	. . .	. . .
21	February 3, Br.												
22	Venus II, N.	11	55 56.70	+ 0.42	-15.54	58 24 3.30	48.818	+ 1 34.4	59.4	17 55 41.58	- 0.97	- 19 35 29.1	. . .
23	Venus S.	11	58 24 3.30	. . .	. . .	58 24 3.30	50.240	+ 1 34.4	59.4	. . .	. . .	- 19 35 57.8	. . .
24	α Lyrae	11	33 46.03	+ 0.21	-15.55	0 10 5.58	45.218	+ 0.2	59.3	18 33 . . .	. . .	. . .	. . .
25	β Lyrae	11	46 36.05	+ 0.24	-15.54	5 36 4.92	46.928	+ 5.8	59.2	18 46 . . .	. . .	. . .	. . .
26	ζ Aquilæ	11	1 1.43	+ 0.31	-15.58	25 8 7.32	45.279	+ 27.3	59.0	19 0 . . .	. . .	. . .	. . .
27	α Aquilæ	11	46 6.67	+ 0.33	-15.59	30 14 6.35	47.048	+ 34.0	59.3	19 45 . . .	. . .	. . .	. . .
28	Mercury C, C.	11	9 21.23	+ 0.43	-15.59	60 30 6.15	42.627	+ 1 42.8	59.4	20 9 6.07	- 0.02	- 21 39 42.2	. . .
29	February 4, Br.												
30	Sun I, S.	11	11 53.47	+ 0.41	-15.61	55 14 5.52	45.178	+ 1 24.3	59.4	21 11 38.27	+67.88	- 16 24 9.5	. . .
31	Sun II, N.	11	14 9.23	+ 0.41	-15.61	54 42 5.15	43.542	+ 1 22.6	59.4	21 13 54.03	-67.88	- 15 51 39.7	. . .
32	α Pegasi	11	59 59.31	+ 0.31	-15.65	24 12 7.82	41.869	+ 26.4	60.1	22 59 . . .	. . .	. . .	. . .
33	ε Orionis	11	31 22.84	+ 0.35	-15.66	40 6 7.70	46.320	+ 50.7	58.7	5 31 . . .	. . .	. . .	. . .
34	α Orionis	11	49 59.96	+ 0.32	-15.64	31 28 7.88	42.964	+ 36.9	58.8	5 49 . . .	. . .	. . .	. . .
35	ν Orionis	11	2 6.24	+ 0.29	-15.62	24 4 8.22	44.896	+ 27.0	59.8	6 1 . . .	. . .	. . .	. . .
36	δ Geminorum	11	14 23.89	+ 0.26	-15.68	16 40 7.15	47.846	+ 18.1	59.6	7 14 . . .	. . .	. . .	. . .
37	α² Geminorum	11	28 28.26	+ 0.21	-15.85	6 44 6.78	46.831	+ 7.2	60.4	7 28 . . .	. . .	. . .	. . .
38	Mars I, N.	6	40 55.33	+ 0.24	-15.79	13 4 7.60	45.038	+ 14.1	59.5	7 40 39.78	+ 0.51	+ 25 46 59.0	. . .
39	Mars II, S.	5	40 56.34	+ 0.24	-15.79	13 4 7.60	45.825	+ 14.1	59.5	7 40 40.79	- 0.50	+ 25 46 44.2	. . .
40	φ Geminorum	10	47 37.72	+ 0.24	-15.80	11 48 7.25	49.642	+ 12.7	59.9	7 47 . . .	. . .	. . .	. . .
41	February 8, L.												
42	Venus II, S.	11	16 49.29	+ 0.58	-16.89	58 42 7.20	46.652	+ 1 45.2	59.0	18 16 32.98	- 0.91	- 19 53 2.6	. . .
43	α Lyrae	11	33 47.44	+ 0.29	-16.92	0 10 7.02	45.175	+ 0.3	58.8	18 33 . . .	. . .	. . .	. . .
44	β Lyrae	7	46 37.38	+ 0.33	-16.85	5 36 7.42	46.791	+ 6.3	58.7	18 46 . . .	. . .	. . .	. . .
45	ζ Aquilæ	11	1 2.72	+ 0.43	-16.88	25 8 8.92	45.074	+ 30.1	58.7	19 0 . . .	. . .	. . .	. . .
46	γ Aquilæ	11	41 44.06	+ 0.44	-16.88	28 28 8.42	47.164	+ 34.7	59.2	19 41 . . .	. . .	. . .	. . .
47	α Aquilæ	11	46 7.94	+ 0.45	-16.89	30 14 7.52	46.839	+ 37.2	59.0	19 45 . . .	. . .	. . .	. . .
48	Mercury C, C.	11	42 29.68	+ 0.58	-16.88	58 58 6.00	45.684	+ 1 45.7	59.0	20 42 13.38	- 0.01	- 20 8 43.3	. . .
49	February 9, L.												
50	Sun I, S.	11	31 54.42	+ 0.55	-16.87	53 40 8.12	46.468	+ 1 26.5	59.0	21 31 38.10	+67.40	- 14 50 39.5	. . .
51	Sun II, N.	11	34 9.22	+ 0.55	-16.87	53 8 7.68	44.672	+ 1 24.8	59.0	21 33 52.90	-67.40	- 14 18 6.6	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
1 8 36	29.965	13.3	12.0	3.	Bisections at C, C ₂ , C ₃ , C ₄ , C ₅ .	4	+46 12.6	+15 26.2	. . .	+61 38.8
12 54	29.891	13.5	11.9	4, 16.	Bisections at II, III, IV, V, VI.	10	+ 2.9	+ 7.4	- 0.1	+ 10.2
13 56	29.872	13.0	11.9	10, 34.	Bisections at I, VII.	11	+ 2.9	+ 7.4	. . .	- 4.5
14 51	29.868	12.6	11.2	11, 19, 35.	Bisections at II, VI.	16	+51 28.2	+15 53.3	. . .	+67 21.5
2 7 23	29.900	24.1	23.7	20.	Bisection at VII.	19	+ 12.1	+ 14.4	+ 0.1	- 2.2
8 23	29.878	23.6	23.1	25, 36.	Bisections at II, VI, VII.	20	+ 12.1	+ 14.4	. . .	+ 26.5
15 9	29.458	37.5	37.4	26, 44.	Bisections at I, II.	25	+ 5.8	. . .	- 0.1	+ 5.7
15 37	29.500	36.8	37.1	27, 45.	Bisections at VI, VII.	26	+ 7.4	+16 14.9	. . .	+16 22.3
18 6	29.614	44.5	45.6			27	+ 7.3	-16 14.8	. . .	-16 7.5
18 50	29.646	46.0	45.7			34	+ 2.9	+ 7.4	. . .	- 4.5
19 5	29.666	46.0	45.9			35	+ 2.9	+ 7.4	0.0	+ 10.3
19 49	29.606	46.2	45.7			37	+11.4	+ 12.9	. . .	+ 24.3
20 12	29.706	49.9	45.0			43	+ 5.6	. . .	- 0.1	+ 5.5
21 14	29.714	44.7	43.5			44	+ 7.2	+16 16.5	. . .	+16 23.7
23 3	29.720	45.0	42.6			45	+ 7.2	-16 16.4	. . .	-16 9.2
5 24	29.890	35.0	33.8							
6 4	29.884	34.1	33.2							
7 10	29.870	33.0	32.0							
7 53	29.876	32.5	31.6							
18 18	29.706	6.9	2.0							
19 2	29.712	7.0	2.2							
19 47	29.720	8.0	3.8							
20 44	29.738	9.2	4.8							
9 21 34	29.740	9.0	5.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Pegasi	11	0 0.44	+ 0.42	-16.90	24 12 8.35	41.730	+ 28.6	59.6	22 59 . .	. .		. .
2	α Andromedæ	11	3 26.76	+ 0.35	-16.84	10 20 8.72	41.461	+ 11.7	59.0	0 3	. .		. .
3	γ Pegasi	11	8 18.99	+ 0.42	-16.88	24 14 9.85	42.732	+ 28.7	59.2	0 8	. .		. .
4	β Andromedæ	11	4 21.69	+ 0.31	-16.83	3 46 7.32	44.455	+ 4.3	59.2	1 4	. .		. .
5	α Ursæ Minoris . . .	8	22 14.01	-11.69	[-14.21]	310 6 5.18	45.024	- 15.6	[62.4]	1 21	. .		. .
6	δ Geminorum	11	14 25.15	+ 0.52	-17.21	16 40 6.68	47.672	+ 19.6	57.3	7 14	. .		. .
7	α Geminorum	11	28 29.36	+ 0.45	-17.20	6 44 2.65	46.904	+ 7.8	58.9	7 28	. .		. .
8	Mars I, S.	6	35 19.08	+ 0.50	-17.20	12 58 6.22	44.325	+ 15.1	57.8	7 35 2.38	+ 0.66	+ 25 53 11.4	. .
9	Mars II, N.	5	35 20.38	+ 0.50	-17.20	12 58 6.22	43.435	+ 15.1	57.8	7 35 3.68	- 0.64	+ 25 53 28.7	. .
10	β Geminorum	11	39 28.07	+ 0.48	-17.22	10 34 6.22	47.724	+ 12.3	56.6	7 39	. .		. .
11	ϕ Geminorum	11	47 38.83	+ 0.49	-17.15	11 48 4.40	49.660	+ 13.8	58.2	7 47	. .		. .
12	θ Virginis	11	5 1.95	+ 0.67	[-17.25]	43 50 6.70	46.264	+ 3.5	[58.4]	13 4	. .		. .
13	α Ursæ Minoris S. P.	7	21 58.83	+ 12.10	[-24.32]	307 38 7.52	49.001	- 25.2	[62.3]	1 21	. .		. .
February 19, Ei.													
14	γ Aquilæ	11	41 50.54	+ 0.34	-23.04	28 28 5.80	47.560	+ 31.6	59.7	19 41	. .		. .
15	α Aquilæ	8	46 14.47	+ 0.35	-23.11	30 14 3.20	47.326	+ 34.0	59.6	19 45	. .		. .
16	γ Cygni	11	18 58.62	+ 0.17	-23.05	358 56 2.95	43.159	- 1.0	58.6	20 18	. .		. .
17	α Cygni	11	38 21.46	+ 0.12	[-22.97]	353 56 2.45	46.004	- 6.1	59.0	20 37	. .		. .
18	ϵ Pegasi	11	39 36.37	+ 0.34	-23.00	29 26 5.52	45.072	+ 32.4	59.9	21 39	. .		. .
19	Mercury C, C. . . .	11	57 8.42	+ 0.45	-23.08	53 36 4.45	43.772	+ 17.5	60.3	21 56 45.79	0.00	- 14 45 35.6	. .
February 20, Ei.													
20	Sun I, N.	11	14 52.85	+ 0.43	-23.09	49 21 57.32	46.805	+ 6.5	60.5	22 14 30.19	+ 66.15	- 10 32 13.6	. .
21	Sun II, S.	11	17 5.14	+ 0.43	-23.09	49 54 14.88	46.795	+ 7.7	60.5	22 16 42.48	- 66.14	- 11 4 36.0	. .
22	ζ Pegasi	10	36 48.47	+ 0.34	-23.12	28 32 6.30	46.510	+ 31.0	61.0	22 36	. .		. .
23	α Andromedæ	11	3 33.03	+ 0.24	-23.07	10 20 3.60	41.960	+ 10.3	60.2	0 3	. .		. .
24	γ Pegasi	11	8 25.25	+ 0.32	-23.11	24 14 6.55	43.261	+ 25.5	61.7	0 8	. .		. .
25	β Ceti	10	38 54.43	+ 0.47	-23.18	57 22 2.62	46.162	+ 28.2	62.8	0 38	. .		. .
February 21, Br.													
26	δ Geminorum	11	14 31.17	+ 0.14	-22.95	16 40 5.30	48.032	+ 17.3	60.8	7 14	. .		. .
27	Mars I, N.	6	27 37.27	+ 0.12	-22.96	13 2 5.68	42.012	+ 13.4	60.7	7 27 14.43	+ 0.50	+ 25 50 0.9	. .
28	Mars II, S.	5	27 38.22	+ 0.12	-22.96	13 2 5.68	42.742	+ 13.4	60.7	7 27 15.38	- 0.45	+ 25 49 47.1	. .
29	β Geminorum	11	39 34.12	+ 0.11	-22.97	10 34 5.12	48.034	+ 10.8	60.7	7 39	. .		. .
30	Moon I, N.	11	47 1.22	+ 0.15	-22.96	19 22 10.80	43.976	+ 20.3	60.7	7 46 38.41	+ 64.78	+ 19 29 11.5	. .
31	η Cancri	11	27 18.02	+ 0.15	-22.99	18 4 5.55	45.195	+ 18.9	60.6	8 26	. .		. .
32	ϵ Hydræ	11	41 51.25	+ 0.20	-22.93	32 2 6.05	49.725	+ 36.2	60.6	8 41	. .		. .
February 22, S.													
33	δ Geminorum	8	14 31.07	+ 0.14	-22.86	16 40 4.80	48.015	+ 17.5	59.0	7 14	. .		. .
34	Mars I, S.	6	27 20.53	+ 0.13	-22.86	13 2 5.05	46.692	+ 13.5	59.2	7 26 57.80	+ 0.55	+ 25 48 30.4	. .
35	Mars II, N.	5	27 21.58	+ 0.13	-22.86	13 2 5.05	46.050	+ 13.5	59.2	7 26 58.85	- 0.50	+ 25 48 42.5	. .
36	β Geminorum	11	39 33.95	+ 0.12	-22.82	10 34 4.02	48.031	+ 10.9	59.6	7 39	. .		. .
37	ϕ Geminorum	10	47 44.87	+ 0.13	-22.90	11 48 5.08	49.680	+ 12.3	59.0	7 47	. .		. .
February 22, L.													
38	Venus II, S.	11	18 57.24	+ 0.22	-22.75	58 36 2.12	43.492	+ 35.7	57.8	19 18 34.71	- 0.79	- 19 45 48.5	. .
39	Venus N.					58 36 2.12	42.315	+ 35.7	57.8		. .	- 19 45 26.1	. .
40	γ Aquilæ	11	41 50.44	+ 0.14	-22.68	28 28 4.62	47.515	+ 31.7	57.5	19 41	. .		. .
41	α Aquilæ	11	46 14.37	+ 0.14	-22.74	30 14 5.28	47.145	+ 34.0	58.0	19 45	. .		. .
42	γ Cygni	11	18 58.60	+ 0.03	-22.83	358 56 3.55	43.129	- 1.0	58.0	20 18	. .		. .
February 23, L.													
43	Sun I, N.	11	26 19.35	+ 0.19	-22.74	48 16 5.02	48.005	+ 5.1	57.8	22 25 56.80	+ 65.88	- 9 26 45.7	. .
44	Sun II, S.	11	28 31.11	+ 0.19	-22.74	48 48 3.20	49.010	+ 6.3	57.8	22 28 8.56	- 65.88	- 9 59 8.1	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
9 23 1	. . .	. . .	5.7	5, 13.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	8	+ 2.8	+ 8.7	- 0.1	+ 11.4
0 10	29.786	9.2	4.9	8, 27, 35, 38.	Bisections at I, VII.	9	+ 2.8	- 8.7	. .	- 5.9
1 14	29.820	7.6	4.0	9, 14, 22, 28, 34, 39.	Bisections at II, VI.	19	+ 5.1	. .	0.0	+ 5.1
7 16	29.964	1.2	- 3.4	20, 43.	Bisections at I, II.	20	+ 6.8	- 16 11.2	. .	- 16 4.4
7 46	29.970	- 0.2	- 4.3	21, 44.	Bisections at VI, VII.	21	+ 6.8	+ 16 11.2	. .	+ 16 18.0
13 18	30.024	- 5.0	- 7.1	30.	Bisections at B ₁ , B ₃ , C ₃ , D ₁ , D ₃ .	27	+ 2.5	+ 6.9	. .	- 4.4
19 54	29.508	45.0	43.8	33.	Bisection at II.	28	+ 2.5	+ 6.9	0.0	+ 9.4
20 53	29.520	50.0	48.1	37.	Bisections at II, VI, VII.	30	+ 17 47.0	- 14 45.1	. .	+ 3 1.9
21 48	29.526	51.0	51.0			34	+ 2.5	+ 6.1	- 0.1	+ 8.5
22 17	29.514	52.2	53.6			35	+ 2.5	+ 6.1	. .	- 3.6
22 39	29.502	53.0	54.6			38	+ 9.7	+ 11.2	0.0	+ 20.9
0 10	29.472	56.0	56.6			39	+ 9.7	+ 11.2	. .	- 1.5
0 41	29.470	56.0	56.8			43	+ 6.6	- 16 11.1	. .	- 16 4.5
7 7	29.390	48.5	46.2			44	+ 6.7	+ 16 11.2	. .	+ 16 17.9
7 58	29.346	47.5	45.8							
8 46	29.376	46.5	44.9							
7 20	29.497	43.8	43.4							
7 50	29.500	43.5	42.1							
10 24	29.564	43.1	41.9							
20 22	29.566	46.1	44.8							
23 22 30	29.568	48.0	45.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
February 23, K.													
1	δ Aquilæ	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	Venus II, N.	11	20 47.15	+ 0.27	-22.43	35 56 8.00	44.331	+ 43.9	59.1	19 20 .	.	.	.
3	Venus S.	11	23 31.25	+ 0.33	-22.46	58 30 7.20	48.015	+ 38.7	58.6	19 23 9.12	- 0.78	- 19 41 22.5	.
4	γ Aquilæ	11	41 50.15	+ 0.26	-22.48	58 30 7.20	49.135	+ 38.7	58.6	.	.	- 19 41 44.1	.
5	α Aquilæ	11	46 13.89	+ 0.26	-22.45	28 28 2.68	47.651	+ 32.9	59.3	19 41 .	.	.	.
6	β Aquilæ	11	50 43.80	+ 0.27	-22.46	30 14 5.35	47.105	+ 35.3	58.5	19 45 .	.	.	.
February 24, K.													
7	Sun I, S.	11	30 6.36	+ 0.30	-22.38	48 26 2.20	48.765	+ 8.2	58.6	22 29 44.28	+ 65.81	- 9 37 0.1	.
8	Sun II, N.	11	32 17.98	+ 0.30	-22.38	47 54 17.02	46.728	+ 6.9	58.6	22 31 55.90	- 65.81	- 9 4 37.9	.
9	β Ceti	11	38 53.70	+ 0.33	-22.33	57 22 6.32	45.409	+ 34.0	58.2	0 38 .	.	.	.
10	α Ursæ Minoris	8	22 4.24	- 6.79	[-21.50]	310 6 9.12	44.398	+ 11.2	[58.0]	1 21 .	.	.	.
11	η Piscium	11	26 27.47	+ 0.24	-22.32	24 20 3.30	42.478	+ 26.9	58.2	1 26 .	.	.	.
12	θ Piscium	11	40 26.41	+ 0.26	-22.31	30 12 8.82	43.612	+ 35.1	58.3	1 40 .	.	.	.
13	β Arietis	11	49 26.45	+ 0.23	-22.29	18 32 6.85	44.640	+ 20.3	57.8	1 49 .	.	.	.
14	δ Geminorum	11	14 30.45	+ 0.23	-22.35	16 40 8.85	47.618	+ 18.4	57.7	7 14 .	.	.	.
15	Mars I, C.	6	26 56.87	+ 0.21	-22.28	13 6 6.78	42.926	+ 14.3	57.7	7 26 34.80	+ 0.46	+ 25 45 38.4	.
16	Mars II	5	26 57.74	+ 0.21	-22.28	.	.	.	.	7 26 35.67	- 0.41	.	.
17	α^2 Geminorum	11	28 34.60	+ 0.18	-22.30	6 44 13.80	46.198	+ 7.3	56.8	7 28 .	.	.	.
18	α Canis Minoris	11	34 25.52	+ 0.29	-22.24	33 22 3.25	44.209	+ 40.3	57.9	7 34 .	.	.	.
19	β Geminorum	11	39 33.24	+ 0.20	-22.21	10 34 7.52	47.676	+ 11.5	57.1	7 39 .	.	.	.
20	ϵ Leonis	11	40 32.34	+ 0.22	-22.23	14 36 5.70	47.599	+ 16.0	57.8	9 40 .	.	.	.
21	μ Leonis	11	47 26.50	+ 0.21	-22.28	12 22 10.50	45.606	+ 13.5	57.9	9 47 .	.	.	.
22	α Leonis	11	3 24.49	+ 0.26	-22.14	26 22 6.52	49.172	+ 30.5	58.7	10 3 .	.	.	.
23	Moon I, S.	11	9 43.49	+ 0.29	-22.21	32 44 9.52	46.525	+ 39.5	57.7	10 9 21.57	+ 61.89	+ 6 6 1.7	.
24	γ^1 Leonis	11	14 49.37	+ 0.24	-22.21	18 30 15.52	44.478	+ 20.6	57.4	10 14 .	.	.	.
25	θ Virginis	11	5 7.55	+ 0.32	[-22.14]	43 50 9.48	46.464	+ 59.0	58.3	13 4 .	.	.	.
26	α Ursæ Minoris s. p.	7	21 48.04	+ 10.35	[-22.85]	307 38 7.75	48.364	- 19.2	[59.0]	1 21 .	.	.	.
February 24, Ei.													
27	Venus II, S.	11	28 6.13	+ 0.34	-22.15	58 26 19.82	46.532	+ 39.8	58.3	19 27 44.32	- 0.77	- 19 37 8.1	.
28	Venus N.	11	.	.	.	58 26 19.82	45.380	+ 39.8	58.3	.	.	- 19 36 46.2	.
29	γ Aquilæ	11	41 49.85	+ 0.25	-22.15	28 28 14.68	47.002	+ 33.3	59.1	19 41 .	.	.	.
30	α Aquilæ	11	46 13.75	+ 0.26	-22.19	30 14 0.92	47.300	+ 35.8	58.2	19 45 .	.	.	.
31	γ Cygni	11	18 57.83	+ 0.13	-22.12	358 56 2.60	43.203	+ 1.1	57.9	20 18 .	.	.	.
32	α Cygni	11	38 20.62	+ 0.10	[-22.02]	353 56 4.62	45.916	- 6.4	58.0	20 37 .	.	.	.
February 25, Ei.													
33	Sun I, S.	11	33 53.15	+ 0.31	-22.14	48 4 9.30	47.558	+ 7.2	58.3	22 33 31.32	+ 65.70	- 9 14 43.0	.
34	Sun II, N.	10	36 4.55	+ 0.31	-22.14	47 32 9.58	46.212	+ 6.0	58.3	22 35 42.72	- 65.70	- 8 42 20.0	.
35	β Andromedæ	11	4 26.98	+ 0.16	-22.17	3 46 3.92	44.755	+ 4.0	59.0	1 4 .	.	.	.
36	α Ursæ Minoris	8	22 3.75	- 9.59	[-19.03]	310 6 3.82	44.752	- 11.0	[57.4]	1 21 .	.	.	.
37	β Arietis	11	49 26.28	+ 0.22	-22.12	18 32 5.10	44.742	+ 20.2	58.4	1 49 .	.	.	.
38	α Arietis	11	1 51.49	+ 0.21	-22.10	15 52 4.25	44.169	+ 17.1	57.8	2 1 .	.	.	.
39	Mars I, N.	6	26 50.05	+ 0.21	-22.04	13 6 7.78	47.705	+ 14.2	57.6	7 26 28.22	+ 0.48	+ 25 44 5.7	.
40	Mars II, S.	5	26 50.96	+ 0.21	-22.04	13 6 7.78	48.428	+ 14.2	57.6	7 26 29.13	- 0.43	+ 25 43 52.0	.
41	β Geminorum	11	39 33.04	+ 0.20	-22.02	10 34 5.22	47.805	+ 11.4	57.2	7 39 .	.	.	.
42	ϕ Geminorum	11	47 43.88	+ 0.21	-22.02	11 48 6.05	49.556	+ 12.8	57.7	7 47 .	.	.	.
43	η Cancri	11	27 16.97	+ 0.23	-22.04	18 4 5.48	44.990	+ 19.9	57.7	8 26 .	.	.	.
44	ϵ Hydræ	11	41 50.25	+ 0.30	-22.04	32 2 4.12	49.564	+ 38.2	57.5	8 41 .	.	.	.
45	ι Leonis	11	44 21.73	+ 0.26	-22.10	27 46 0.95	45.904	+ 32.1	57.8	10 43 .	.	.	.
46	Moon II, S.	11	57 36.59	+ 0.29	-22.06	37 56 4.22	44.993	+ 47.5	57.6	10 57 14.82	- 61.84	+ 0 54 28.3	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°	°				' "	' "	"	' "
23 19 18	29.986	34.3	32.1	32.1	2, 27, 39.	Bisections at I, VII.	2	+ 9.6	- 10.8	.	- 1.2
19 52	30.000	34.8	32.6	32.6	3, 28, 40.	Bisections at II, VI.	3	+ 9.6	+ 10.8	0.0	+ 20.4
24 22 32	30.050	37.0	34.0	34.0	7.	Bisection at II.	7	+ 6.7	+ 16 11.0	.	+ 16 17.7
0 36	30.040	37.1	34.8	34.8	8, 11, 17, 34.	Bisections at VI, VII.	8	+ 6.6	- 16 11.1	.	- 16 4.5
1 17	.	35.2	35.2	35.2	10.	Bisections at B ₁ , B ₂ , B ₃ .	15	+ 2.5	.	0.1	+ 2.4
1 42	30.048	37.5	35.0	35.0	12, 31, 37.	Bisections at II, VI, VII.	23	+ 29 21.8	+ 14 53.2	.	+ 44 15.0
1 51	30.050	37.2	30.1	30.1	23, 46.	Bisections at III, IV, V.	27	+ 9.5	+ 11.0	0.1	+ 20.4
7 12	30.120	31.9	29.8	29.8	26, 36.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	28	+ 9.5	+ 11.0	.	- 1.5
7 41	30.116	30.8	28.7	28.7	33.	Bisections at I, II.	33	+ 6.6	+ 16 11.5	.	+ 16 18.1
9 38	30.130	29.7	27.7	27.7			34	+ 6.6	- 16 11.5	.	- 16 4.9
10 16	30.132	28.5	27.9	27.9			39	+ 2.4	- 6.9	.	- 4.5
13 2	30.130	28.5	30.1	30.1			40	+ 2.4	+ 6.9	0.1	+ 9.2
13 24	30.122	28.5	31.1	31.1			46	+ 33 35.8	+ 14 58.7	.	+ 48 34.5
19 19	30.212	31.5	37.0	37.0							
20 2	30.224	33.0	38.9	38.9							
20 44	30.240	34.0	39.9	39.9							
22 36	30.226	35.6	41.0	41.0							
1 8	30.200	41.0	33.0	33.0							
2 8	30.190	41.0	32.5	32.5							
7 30	30.196	34.0	32.5	32.5							
8 19	30.190	33.5	31.9	31.9							
8 45	.	.	.	.							
10 47	30.166	33.0	.	.							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	δ Leonis February 27, La.	6	9 9.10	+ 0.23	-22.02	17 46 2.62	46.995	+ 19.6	57.7	11 8 . .	. .		. .
2	δ Geminorum	11	14 29.95	+ 0.17	-21.83	16 40 4.70	47.734	+ 17.8	55.2	7 14 . .	. .		. .
3	Mars I, N.	6	26 46.22	+ 0.16	-21.80	13 10 3.72	46.885	+ 13.9	56.0	7 26 24.58	+ 0.57	+ 25 40 24.4	. .
4	Mars II, S.	5	26 47.30	+ 0.16	-21.80	13 10 3.72	47.565	+ 13.9	56.0	7 26 25.66	- 0.51	+ 25 40 11.1	. .
5	β Geminorum	11	39 32.81	+ 0.16	-21.77	10 34 5.10	47.760	+ 11.2	56.1	7 39 . .	. .		. .
6	φ Geminorum	11	47 43.68	+ 0.16	-21.79	11 48 5.10	48.501	+ 12.5	56.3	7 47 . .	. .		. .
7	η Cancri	11	27 16.77	+ 0.18	-21.80	18 4 5.78	44.881	+ 19.4	55.6	8 26 . .	. .		. .
8	ο Virginis	11	0 28.28	+ 0.21	-21.81	29 32 7.45	49.045	+ 34.1	56.0	12 0 . .	. .		. .
9	γ Corvi	11	11 1.00	+ 0.27	-21.84	55 48 7.25	47.654	+ 28.4	56.8	12 10 . .	. .		. .
10	η Virginis	11	15 8.60	+ 0.23	-21.78	38 56 7.85	48.140	+ 48.6	56.5	12 14 . .	. .		. .
11	Moon II, S.	11	31 14.38	+ 0.27	-21.79	48 30 5.45	43.876	+ 8.0	56.0	12 30 52.86	-63.61	- 9 39 33.6	. .
12	θ Virginis February 27, Br.	11	5 7.27	+ 0.24	-21.72	43 50 5.98	46.598	+ 57.9	55.9	13 4 . .	. .		. .
13	δ Aquilæ	9	20 46.85	+ 0.27	-22.03	35 56 6.62	44.378	+ 43.4	57.9	19 20 . .	. .		. .
14	Venus II, N.	11	41 55.42	+ 0.33	-21.98	58 10 5.08	43.675	+ 36.1	58.3	19 41 33.77	- 0.75	- 19 19 54.9	. .
15	Venus S.	11	41 55.42	+ 0.33	-21.98	58 10 5.08	44.818	+ 36.1	58.3	19 41 33.77	- 0.75	- 19 20 16.9	. .
16	α Aquilæ	9	46 13.57	+ 0.25	-21.93	30 14 3.10	47.191	+ 34.8	57.1	19 45 . .	. .		. .
17	ζ Cygni	11	8 59.93	+ 0.18	-21.94	9 2 4.22	46.242	+ 9.5	57.8	21 8 . .	. .		. .
18	ε Pegasi February 28, Br.	11	39 35.55	+ 0.25	-22.00	29 26 6.28	44.955	+ 33.3	58.7	21 39 . .	. .		. .
19	Sun I, N.	11	45 10.58	+ 0.30	-21.96	46 24 6.05	48.178	+ 1.5	58.3	22 44 48.92	+65.48	- 7 34 45.9	. .
20	Sun II, S.	11	47 21.53	+ 0.30	-21.96	46 56 6.22	48.940	+ 2.7	58.3	22 46 59.87	-65.47	- 8 7 5.7	. .
21	α Andromedæ	11	3 31.89	+ 0.18	-21.90	10 20 4.62	41.860	+ 10.7	58.4	0 3 . .	. .		. .
22	β Ceti	11	38 53.38	+ 0.33	-22.04	57 22 4.50	45.720	+ 30.6	59.3	0 38 . .	. .		. .
23	β Andromedæ	11	4 26.66	+ 0.16	-21.88	3 46 3.85	44.794	+ 3.9	59.1	1 4 . .	. .		. .
24	δ Geminorum	11	14 30.12	+ 0.22	-22.06	16 40 6.18	47.792	+ 17.7	57.7	7 14 . .	. .		. .
25	Mars I, S.	6	26 49.62	+ 0.21	-22.02	13 12 6.70	47.468	+ 13.9	57.9	7 26 27.81	+ 0.42	+ 25 38 11.9	. .
26	Mars II, N.	5	26 50.42	+ 0.21	-22.02	13 12 6.70	46.848	+ 13.9	57.9	7 26 28.61	- 0.38	+ 25 38 24.0	. .
27	β Geminorum	11	39 32.98	+ 0.20	-22.00	10 34 5.65	47.800	+ 11.1	57.4	7 39 . .	. .		. .
28	φ Geminorum	11	47 43.85	+ 0.21	-22.02	11 48 6.05	49.621	+ 12.4	58.6	7 47 . .	. .		. .
29	η Cancri March 5, Ei.	11	27 16.92	+ 0.23	-22.01	18 4 6.60	44.965	+ 19.3	57.9	8 26 . .	. .		. .
30	γ Sagittarii	11	59 41.84	+ 0.26	-21.27	69 14 6.02	45.300	+ 2 37.7	57.0	17 59 . .	. .		. .
31	Moon II.	11	15 28.33	+ 0.26	-21.24	63 22 . .	. .	. .	. .	18 15 7.35	-73.91		. .
32	α Lyre	11	33 52.57	+ 0.13	-21.15	0 10 11.58	45.058	+ 0.2	56.9	18 33 . .	. .		. .
33	σ Sagittarii	11	49 22.53	+ 0.26	-21.30	65 14 11.10	45.956	+ 2 9.3	57.7	18 49 . .	. .		. .
34	ζ Aquilæ March 5, La.	11	1 7.91	+ 0.19	-21.22	25 8 6.90	45.356	+ 28.1	57.3	19 0 . .	. .		. .
35	Venus II, S.	11	9 46.86	+ 0.18	-21.18	57 22 4.65	46.328	+ 32.7	56.7	20 9 25.86	- 0.71	- 18 32 43.7	. .
36	Venus N.	11	9 46.86	+ 0.18	-21.18	57 22 4.65	45.195	+ 32.7	56.7	20 9 25.86	- 0.71	- 18 32 21.8	. .
37	γ Cygni	11	18 57.19	+ 0.05	-21.19	358 56 1.95	43.246	+ 1.1	56.4	20 18 . .	. .		. .
38	γ Cygni	11	53 45.34	+ 0.05	-21.21	358 4 4.12	47.134	+ 1.9	56.7	20 53 . .	. .		. .
39	ζ Cygni	11	8 59.35	+ 0.08	-21.15	9 2 4.50	46.238	+ 9.5	56.6	21 8 . .	. .		. .
40	ε Pegasi March 6, La.	10	39 34.90	+ 0.13	-21.14	29 26 7.42	44.851	+ 33.4	57.6	21 39 . .	. .		. .
41	Sun I, N.	11	7 31.80	+ 0.16	-21.15	44 6 6.38	48.185	+ 56.9	56.7	23 7 10.81	+65.03	- 5 16 43.4	. .
42	Sun II, S.	11	9 41.85	+ 0.16	-21.15	44 38 6.32	48.875	+ 58.0	56.7	23 9 20.86	-65.02	- 5 49 1.5	. .
43	Mercury C, C.	11	34 23.75	+ 0.15	-21.14	42 48 4.20	44.500	+ 54.2	56.7	23 34 2.76	0.00	- 3 57 29.7	. .
44	α Ursæ Minoris	9	21 57.12	- 6.87	[-20.33]	310 6 3.65	44.737	- 9.0	[56.6]	1 21 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
25 11 24	30.172	33.0	32.1	3, 15, 26, 35.	Bisections at II, VI.	3	+ 2.4	- 6.7	. .	- 4.3
27 7 17	29.780	39.8	39.1	4, 13, 14, 25, 36.	Bisections at I, VII.	4	+ 2.4	+ 6.7	- 0.1	+ 9.0
7 42	29.792	39.0	38.2	11.	Bisections at II, III, IV, V, VI.	11	+ 41 35.8	+15 12.5	. .	+56 48.3
8 31	29.800	38.0	37.9	17.	Bisections at II, VI, VII.	14	+ 9.2	- 11.1	. .	- 1.9
12 2	29.834	34.2	33.6	19, 41.	Bisections at I, II.	15	+ 9.2	+ 11.1	- 0.2	+ 20.1
12 53	29.836	32.6	32.2	20, 42.	Bisections at VI, VII.	19	+ 6.4	-16 9.9	. .	-16 3.5
19 16	29.894	36.7	35.9	44.	Bisections at C ₂ , C ₃ , C ₄ .	20	+ 6.5	+16 9.8	. .	+16 16.3
19 55	29.866	39.5	37.6			25	+ 2.4	+ 6.1	- 0.1	+ 8.4
21 17	29.880	43.5	41.2			26	+ 2.4	- 6.1	. .	- 3.7
21 44	29.874	44.5	42.8			35	+ 8.7	+ 11.1	- 0.3	+ 19.5
22 47	29.828	46.4	45.7			36	+ 8.7	- 11.1	. .	- 2.4
23 58	29.782	48.5	47.3			41	+ 6.2	-16 9.0	. .	-16 2.8
0 43	29.756	49.7	48.4			42	+ 6.2	+16 9.1	. .	+16 15.3
1 7	29.744	49.5	48.4			43	+ 4.6	. .	0.0	+ 4.6
7 9	29.606	40.0	38.1							
7 50	29.600	39.5	37.5							
8 30	29.586	38.9	37.2							
17 55	29.764	32.0	31.8							
19 6	29.772	36.5	34.6							
20 22	29.780	41.0	37.7							
21 12	29.772	42.6	39.7							
21 45	29.768	43.8	40.6							
23 10	29.746	45.0	42.9							
23 39	29.722	45.8	44.1							
1 34	29.644	46.0	44.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	α Persei March 15, L.	11	m s 17 29.01	s + 0.00	s -21.10	° ' " 349 22 4.50	rev. 42.028	' " - 10.9	" 56.0	h m s 3 17 . .	s .	° ' " .	" .
2	Venus II, N.	10	56 21.47	+ 0.12	-20.42	55 22 5.40	45.450	+ 1 25.6	57.8	20 56 1.17	- 0.64	- 16 32 20.8	.
3	Venus S.	.	.	.	.	55 22 5.40	46.465	+ 1 25.6	57.8	.	.	- 16 32 38.8	.
4	ζ Cygni	11	8 58.87	+ 0.04	-20.42	9 2 6.98	46.183	+ 9.5	57.2	21 8 . .	.	.	.
5	ϵ Pegasi March 16, L.	11	39 34.37	+ 0.08	-20.40	29 26 6.78	44.988	+ 33.3	58.5	21 39 . .	.	.	.
6	Sun I, S.	11	44 17.63	+ 0.10	-20.38	40 44 13.90	44.412	+ 50.6	57.8	23 43 57.35	+64.69	- 1 53 31.2	.
7	Sun II, N.	11	46 27.01	+ 0.10	-20.38	40 11 57.45	44.360	+ 49.6	57.8	23 46 6.73	-64.69	- 1 21 16.6	.
8	α Andromedæ	11	3 30.59	+ 0.04	-20.45	10 20 6.48	41.834	+ 10.7	58.4	0 3 . .	.	.	.
9	Mercury I, C.	11	40 44.81	+ 0.09	-20.37	33 40 5.52	44.345	+ 39.1	57.8	0 40 24.53	+ 0.20	+ 5 10 48.0	.
10	β Andromedæ	11	4 25.13	+ 0.02	-20.31	3 46 4.70	44.824	+ 3.9	57.8	1 4 . .	.	.	.
11	α Ursæ Minoris	3	21 50.20	- 7.88	[-17.37]	310 6 . .	.	.	.	1 21 . .	.	.	.
12	β Arietis	10	49 24.51	+ 0.06	-20.37	18 32 4.42	44.945	+ 19.7	57.4	1 49 . .	.	.	.
13	η Tauri	11	41 50.28	+ 0.05	-20.32	15 4 6.42	42.702	+ 15.9	57.0	3 41 . .	.	.	.
14	ζ Persei	5	48 8.53	+ 0.03	-20.33	7 16 5.57	44.895	+ 7.5	58.0	3 47 . .	.	.	.
15	θ Virginis	11	5 6.42	+ 0.28	-20.62	43 50 3.32	46.932	+ 57.8	58.0	13 4 . .	.	.	.
16	α Ursæ Minoris S. P.	8	21 41.06	+ 9.27	[-25.51]	307 38 . .	.	.	.	1 21 . .	.	.	.
17	η Bootis	11	50 15.64	+ 0.22	-20.57	19 56 2.45	48.261	+ 21.9	57.6	13 49 . .	.	.	.
18	α Bootis	11	11 26.21	+ 0.22	-20.52	19 8 4.37	47.398	+ 21.0	56.8	14 11 . .	.	.	.
19	Jupiter I, N.	6	30 33.51	+ 0.30	-20.59	52 10 4.12	43.772	+ 1 17.6	57.2	14 30 13.22	+ 1.46	- 13 19 38.6	.
20	Jupiter II, S.	5	30 36.44	+ 0.30	-20.59	52 10 4.12	45.898	+ 1 17.6	57.2	14 30 16.15	- 1.47	- 13 20 19.2	.
21	α^2 Libræ March 16, K.	11	45 40.44	+ 0.30	-20.62	54 26 4.68	49.319	+ 1 24.4	56.5	14 45 . .	.	.	.
22	Venus II, S.	11	0 59.68	+ 0.19	-20.08	55 8 5.60	44.292	+ 1 25.9	58.8	21 0 39.79	- 0.63	- 16 17 56.6	.
23	Venus N.	.	.	.	.	55 8 5.60	43.380	+ 1 25.9	58.8	.	.	- 16 17 39.2	.
24	ζ Cygni	11	8 58.44	+ 0.12	-20.05	9 2 11.50	46.041	+ 9.6	58.5	21 8 . .	.	.	.
25	ϵ Pegasi	11	17 45.35	+ 0.15	-20.11	19 28 4.47	46.984	+ 21.2	58.1	21 17 . .	.	.	.
26	ϵ Pegasi March 17, K.	11	39 33.98	+ 0.16	-20.07	29 26 6.22	44.992	+ 33.8	59.0	21 39 . .	.	.	.
27	Sun I, S.	11	47 56.53	+ 0.18	-20.07	40 20 10.50	45.457	+ 50.2	58.8	23 47 36.64	+64.48	- 1 29 46.4	.
28	Sun II, N.	11	50 5.48	+ 0.18	-20.07	39 48 18.60	44.237	+ 49.3	58.8	23 49 45.59	-64.47	- 0 57 34.1	.
29	Mercury I, C.	11	46 37.87	+ 0.17	-20.07	32 48 8.05	47.011	+ 38.1	58.8	0 46 17.97	+ 0.20	+ 6 1 56.4	.
30	β Andromedæ	11	4 24.78	+ 0.11	-20.06	3 46 5.37	44.815	+ 3.9	59.7	1 4 . .	.	.	.
31	α Ursæ Minoris	7	21 52.49	- 6.59	[-21.20]	310 6 10.07	44.711	- 1 9.5	[59.7]	1 21 . .	.	.	.
32	β Arietis	11	49 24.08	+ 0.14	-20.03	18 32 13.00	44.496	+ 19.7	58.7	1 49 . .	.	.	.
33	α Arietis	11	1 49.35	+ 0.14	-20.10	15 52 7.02	44.207	+ 16.7	58.9	2 1 . .	.	.	.
34	ϵ Tauri	11	23 4.42	+ 0.15	-20.03	19 54 12.17	42.929	+ 21.2	58.5	4 22 . .	.	.	.
35	α Tauri	11	30 28.81	+ 0.15	-20.04	22 32 9.82	46.150	+ 24.4	59.3	4 30 . .	.	.	.
36	Moon I, S.	11	47 0.56	+ 0.14	-20.03	15 4 6.12	49.388	+ 15.9	59.0	4 46 40.67	+68.92	+ 23 45 35.1	.
37	ι Aurigæ	11	50 46.61	+ 0.12	-20.04	5 50 19.52	46.326	+ 6.1	59.0	4 50 . .	.	.	.
38	Π Orionis March 20, La.	11	59 9.32	+ 0.15	-20.01	23 34 7.57	48.054	+ 25.7	59.4	4 58 . .	.	.	.
39	Moon I.	11	28 4.23	+ 0.17	-19.55	18 42 . .	.	.	.	7 27 44.85	+65.40	.	.
40	α Canis Minoris	11	34 22.63	+ 0.21	-19.59	33 22 10.40	44.045	+ 39.4	60.3	7 34 . .	.	.	.
41	β Geminorum	11	39 30.21	+ 0.15	-19.48	10 34 . .	.	.	.	7 39 . .	.	.	.
42	ϕ Geminorum	11	47 41.07	+ 0.15	-19.47	11 48 5.32	49.679	+ 12.6	60.4	7 47 . .	.	.	.
43	ζ^1 Cancri	11	6 47.35	+ 0.18	-19.67	20 54 . .	.	.	.	8 6 . .	.	.	.
44	α Bootis	11	11 25.35	+ 0.26	-19.63	19 8 6.57	47.421	+ 21.2	60.0	14 11 . .	.	.	.
45	ρ Bootis	11	27 50.70	+ 0.23	-19.60	8 2 6.02	47.040	+ 8.7	60.9	14 27 . .	.	.	.

Time.	Barom.	Atm. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
6 3 20	29.604	45.2	43.9	2.	Bisection at VI.	2	+ 7.8	- 9.2	.	- 1.4
15 21 1	29.832	42.7	40.5	3, 20, 22.	Bisections at I, VII.	3	+ 7.8	+ 9.2	- 0.4	+ 16.6
16 23 46	29.828	43.9	41.9	4.	Bisections at II, VI, VII.	6	+ 5.8	+16 7.2	.	+16 13.0
0 44	29.864	46.8	44.6	5.	Bisections at I, II, VI.	7	+ 5.7	-16 7.3	.	-16 1.6
1 17	29.856	47.7	45.3	6, 12, 14, 27, 45.	Bisections at I, II.	9	+ 4.4	.	+ 0.3	+ 4.7
3 44	29.878	45.9	44.5	7, 28, 30.	Bisections at VI, VII.	19	+ 1.5	- 20.3	.	- 18.8
13 16	29.952	36.2	34.5	19, 23.	Bisections at II, VI.	20	+ 1.5	+ 20.3	.	+ 21.8
14 15	29.950	36.0	33.7	31.	Bisections at B ₁ , B ₂ , C ₂ , C ₃ , C ₄ .	22	+ 7.7	+ 8.9	- 0.4	+ 16.2
14 49	29.950	35.8	33.3	36.	Bisections at III, IV, V.	23	+ 7.7	- 8.9	.	- 1.2
20 58	30.046	39.3	37.9			27	+ 5.7	+16 6.1	.	+16 11.8
21 41	30.050	40.8	38.6			28	+ 5.7	-16 6.2	.	-16 0.5
23 50	30.030	45.7	44.2			29	+ 4.4	.	+ 0.3	+ 4.7
0 44	30.014	46.8	45.0			36	+14 17.4	+15 7.2	.	+29 24.6
1 49	29.964	48.3	46.2							
2 3	29.964	48.0	46.7							
4 20	29.930	47.7	47.1							
5 1	29.928	47.2	46.0							
7 36	.	.	36.8							
7 44	29.874	38.2	36.7							
8 16	29.884	37.2	35.6							
14 15	29.942	30.8	28.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Jupiter I, N.	6	29 27.63	+ 0.33	-19.57	52 4 4.98	44.180	+ 1 18.1	60.2	14 29 8.39	+ 1.49	- 13 13 44.7	. .
2	Jupiter II, S.	5	29 30.62	+ 0.33	-19.57	52 4 4.98	46.422	+ 1 18.2	60.2	14 29 11.38	- 1.50	- 13 14 27.8	. .
3	ε Bootis	11	40 56.40	+ 0.24	-19.48	11 20 5.05	49.471	+ 12.3	58.8	14 40 . .	. .		. .
4	α ² Libræ	11	45 39.46	+ 0.34	-19.59	54 26 6.50	49.416	+ 1 25.3	60.7	14 45 . .	. .		. .
March 21, Br.													
5	Sun I, S.	11	2 30.38	+ 0.40	-19.67	38 46 1.15	43.655	+ 48.4	60.9	0 2 11.11	+ 64.47	+ 0 5 1.5	. .
6	Sun II, N.	11	4 39.33	+ 0.40	-19.67	38 14 9.38	42.455	+ 47.5	60.9	0 4 20.06	- 64.48	+ 0 37 13.1	. .
7	β Andromedæ	11	4 24.19	+ 0.31	-19.67	3 46 6.30	44.922	+ 4.0	60.6	1 4 . .	. .		. .
8	Mercury C, C.	11	7 36.72	+ 0.38	-19.66	29 44 12.95	44.375	+ 34.3	60.9	1 7 17.44	+ 0.07	+ 9 6 47.9	. .
9	β Arietis	11	49 23.46	+ 0.35	-19.64	18 32 6.80	44.960	+ 20.1	61.5	1 49 . .	. .		. .
10	α Arietis	11	1 48.65	+ 0.34	-19.63	15 52 12.12	44.005	+ 17.0	60.6	2 1 . .	. .		. .
11	α Ceti	11	57 20.07	+ 0.39	-19.68	35 10 8.32	41.590	+ 41.9	61.0	2 57 . .	. .		. .
March 22, Ei.													
12	ε Pegasi	11	39 33.01	+ 0.22	-19.04	29 26 5.45	45.187	+ 32.6	61.3	21 39 . .	. .		. .
13	α Aquarii	9	0 55.37	+ 0.25	-19.11	39 40 6.75	42.174	+ 47.8	61.3	22 0 . .	. .		. .
14	α Pegasi	10	0 3.17	+ 0.21	-19.18	24 12 6.10	42.227	+ 26.0	61.1	22 59 . .	. .		. .
March 23, Ei.													
15	Sun I, N.	11	9 46.51	+ 0.25	-19.10	37 26 6.37	45.397	+ 44.4	61.2	0 9 27.66	+ 64.50	+ 1 24 27.1	. .
16	Sun II, S.	11	11 55.50	+ 0.25	-19.10	37 58 6.85	45.457	+ 45.3	61.2	0 11 36.65	- 64.49	+ 0 52 20.6	. .
17	β Andromedæ	11	4 23.77	+ 0.13	-19.07	3 46 5.50	45.010	+ 3.9	61.2	1 4 . .	. .		. .
18	Mercury I, C.	11	16 12.37	+ 0.22	-19.10	28 26 11.38	47.210	+ 31.5	61.2	1 15 53.49	+ 0.23	+ 10 23 58.1	. .
19	α Ursæ Minoris	3	21 47.26	- 8.49	[-16.08]	310 6 . .	. .	. .	. .	1 21 . .	. .		. .
20	β Arietis	11	49 23.11	+ 0.19	-19.14	18 32 5.60	45.041	+ 19.5	61.2	1 49 . .	. .		. .
21	α Arietis	11	1 48.25	+ 0.18	-19.08	15 52 5.20	44.454	+ 16.5	61.0	2 1 . .	. .		. .
22	α Ceti	11	57 19.62	+ 0.24	-19.10	35 10 7.88	41.679	+ 40.9	61.3	2 57 . .	. .		. .
23	α Hydræ	11	22 58.74	+ 0.28	-18.95	47 4 6.82	44.211	+ 1 3.8	60.7	9 22 . .	. .		. .
24	ε Leonis	11	40 28.93	+ 0.21	-18.92	14 36 6.35	47.615	+ 15.5	60.3	9 40 . .	. .		. .
25	μ Leonis	11	47 23.17	+ 0.20	-19.04	12 22 6.20	45.869	+ 13.1	60.5	9 47 . .	. .		. .
26	Moon I, N.	11	52 19.48	+ 0.25	-18.96	30 28 11.08	44.857	+ 35.0	60.4	9 52 0.77	+ 62.17	+ 8 22 39.4	. .
27	α Leonis	11	3 21.23	+ 0.24	-18.92	26 22 8.80	49.177	+ 29.5	60.4	10 3 . .	. .		. .
28	γ Virginis	11	5 4.80	+ 0.28	-18.91	43 50 4.22	47.040	+ 57.2	60.0	13 4 . .	. .		. .
29	α Ursæ Minoris S. P.	7	21 29.43	+ 6.87	[-13.80]	307 38 3.80	48.141	- 1 16.8	[60.4]	1 21 . .	. .		. .
30	α Bootis	10	11 24.77	+ 0.22	-18.95	19 8 6.77	47.464	+ 20.8	60.8	14 11 . .	. .		. .
31	Jupiter I, N.	6	28 31.88	+ 0.29	-18.90	51 58 5.15	47.722	+ 1 16.2	60.4	14 28 13.27	+ 1.57	- 13 8 50.6	. .
32	Jupiter II, S.	4	28 35.01	+ 0.29	-18.90	51 58 5.15	50.082	+ 1 16.3	60.4	14 28 16.40	- 1.56	- 13 9 36.1	. .
33	ε Bootis	11	40 55.87	+ 0.20	-18.84	11 20 9.52	49.298	+ 12.0	59.9	14 40 . .	. .		. .
34	α ² Libræ	11	45 38.89	+ 0.30	-18.91	54 26 2.88	49.700	+ 1 23.4	60.5	14 45 . .	. .		. .
March 23, K.													
35	ζ Cygni	11	8 57.29	+ 0.26	-18.88	9 2 8.12	46.360	+ 9.6	60.5	21 8 . .	. .		. .
36	1 Pegasi	11	17 44.12	+ 0.29	-18.87	19 28 7.50	46.970	+ 21.2	61.9	21 17 . .	. .		. .
37	β Aquarii	11	26 34.05	+ 0.33	-18.94	44 52 5.92	42.462	+ 59.6	61.3	21 26 . .	. .		. .
38	Venus II, S.	11	33 19.14	+ 0.35	-18.89	53 12 3.88	46.288	+ 1 20.1	61.3	21 33 0.60	- 0.59	- 14 22 24.9	. .
39	Venus N.	. .		. .	. .	53 12 3.88	45.347	+ 1 20.1	61.3		. .	- 14 22 6.9	. .
40	ε Pegasi	11	39 32.75	+ 0.31	-18.86	29 26 6.95	45.069	+ 33.9	61.2	21 39 . .	. .		. .
March 24, K.													
41	Sun I, N.	11	13 24.26	+ 0.32	-18.86	37 2 12.05	46.155	+ 45.0	61.3	0 13 5.72	+ 64.46	+ 1 48 6.4	. .
42	Sun II, S.	11	15 33.17	+ 0.32	-18.86	37 34 11.90	46.355	+ 45.9	61.3	0 15 14.63	- 64.45	+ 1 15 57.8	. .
43	β Andromedæ	11	4 23.45	+ 0.25	-18.87	3 46 11.38	44.764	+ 4.0	62.1	1 4 . .	. .		. .
44	Mercury C, C.	11	19 57.15	+ 0.30	-18.85	27 52 5.50	47.301	+ 31.4	61.3	1 19 38.60	+ 0.10	+ 10 58 2.5	. .
45	α Ursæ Minoris	8	21 47.99	- 5.95	[-19.73]	310 6 5.62	45.174	- 1 10.0	[61.5]	1 21 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
20 14 50	29.954	30.2	28.3	1, 32, 39.	Bisections at II, VI.	1	+	1.5	- 21.6	- 20.1
21 0 5	30.066	38.5	35.5	2, 31, 38.	Bisections at I, VII.	2	+	1.5	+ 21.5	+ 23.0
0 55	30.028	39.8	37.5	5, 15, 41.	Bisections at I, II.	5	+	5.5	+ 16 5.8	+ 16 11.3
1 14	30.014	40.0	36.7	6, 16, 36, 37, 42.	Bisections at VI, VII.	6	+	5.5	- 16 5.8	- 16 0.3
1 52	29.998	41.3	37.3	10, 12, 14.	Bisections at II, VI, VII.	8	+	4.4	. .	+ 5.0
2 7	29.984	41.8	38.7	26.	Bisections at III, IV, V.	15	+	5.4	- 16 3.3	- 15 57.9
3 0	29.988	41.8	41.0	29.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	16	+	5.4	+ 16 3.2	+ 16 8.6
22 21 42	29.492	48.0	47.7	45.	Bisections at C ₃ , C ₄ , C ₅ , D ₁ .	18	+	4.5	. .	+ 5.2
23 4	29.554	49.0	46.9			26	+	27 31.4	- 14 53.4	+ 12 38.0
0 12	29.574	48.8	46.3			31	+	1.5	- 22.7	- 21.2
0 57	29.594	48.5	45.9			32	+	1.5	+ 22.8	+ 24.3
2 5	29.610	49.0	46.1			38	+	7.1	+ 9 2	+ 15.9
3 2	29.610	48.0	46.8			39	+	7.1	- 9.2	- 2.1
9 17	29.686	39.0	37.1			41	+	5.3	- 16 4.3	- 15 59.0
10 10	29.674	37.5	36.1			42	+	5.4	+ 16 4.2	+ 16 9.6
12 55	29.672	35.5	34.8			44	+	4.6	. .	+ 5.4
14 3	29.670	35.0	34.3							
14 52	29.658	35.0	34.1							
21 10	29.774	36.6	33.5							
21 41	29.770	37.2	33.2							
24 0 16	29.766	39.3	36.0							
1 2	29.762	40.0	38.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Arietis	II	49 22.70	+ 0.28	-18.82	18 32 9.30	44.838	+ 19.9	61.3	1 49 . . .			
2	α Arietis	II	1 47.92	+ 0.28	-18.85	15 52 12.48	44.044	+ 16.9	60.8	2 1 . . .			
3	γ Ceti	II	38 23.27	+ 0.32	-18.86	36 2 7.67	44.786	+ 43.1	[63.2]	2 38 . . .			
4	Moon I, N.	II	38 25.40	+ 0.38	-18.80	35 32 11.62	42.905	+ 43.0	60.8	10 38 6.98	+ 62.00	+ 3 19 8.7	
5	ι Leonis	II	44 18.37	+ 0.35	-18.78	27 46 11.00	45.562	+ 31.7	61.1	10 43 . . .			
6	δ Leonis	II	9 5.82	+ 0.33	-18.73	17 46 5.12	46.911	+ 19.3	60.0	11 8 . . .			
7	δ Crateris	II	14 38.79	+ 0.41	-18.84	53 4 4.75	45.709	+ 19.9	60.9	11 14 . . .			
8	τ Leonis	II	23 6.05	+ 0.37	-18.84	35 26 2.20	45.651	+ 42.8	61.5	11 22 . . .			
9	α Ursæ Minoris s. p.	8	21 33.72	+ 5.84	[-17.42]	307 38 2.67	48.338	- 17.9	[62.2]	1 21 . . .			
10	ζ Virginis	II	29 54.11	+ 0.38	-18.79	38 54 6.67	49.876	+ 48.8	61.4	13 29 . . .			
11	α Bootis	II	11 24.45	+ 0.33	-18.73	19 8 4.35	47.519	+ 21.0	59.7	14 11 . . .			
12	Jupiter I, N.	5	28 12.04	+ 0.41	-18.76	51 58 5.28	42.330	+ 17.3	60.8	14 27 53.69	+ 1.55	- 13 7 8.1	
13	Jupiter II, S.	6	28 15.15	+ 0.41	-18.76	51 58 5.28	44.470	+ 17.4	60.8	14 27 56.80	- 1.56	- 13 7 49.3	
14	ϵ Bootis	II	40 55.67	+ 0.31	-18.73	11 20 3.22	49.637	+ 12.2	60.3	14 40 . . .			
15	α^2 Libræ	II	45 38.68	+ 0.41	-18.79	54 26 5.32	49.542	+ 24.7	61.1	14 45 . . .			
March 25, B.													
16	α Bootis	II	11 24.40	+ 0.32	-18.65	19 8 15.05	47.079	+ 20.1	61.2	14 11 . . .			
17	Jupiter I, S.	6	27 51.90	+ 0.42	-18.60	51 56 2.92	45.472	+ 13.6	61.3	14 27 33.72	+ 1.50	- 13 6 1.9	
18	Jupiter II, N.	5	27 54.90	+ 0.42	-18.60	51 56 2.92	43.402	+ 13.6	61.3	14 27 36.72	- 1.50	- 13 5 22.1	
19	ϵ Bootis	II	40 55.53	+ 0.29	-18.56	11 20 6.15	39.316	+ 11.6	60.7	14 40 . . .			
20	α^2 Libræ	4	45 38.49	+ 0.43	-18.60	54 26 1.10	39.853	+ 20.6	62.1	14 45 . . .			
March 28, S.													
21	β Aquarii	II	26 33.21	+ 0.33	-18.00	44 52 1.72	42.622	+ 59.3	58.8	21 26 . . .			
22	ϵ Pegasi	II	39 32.05	+ 0.30	-18.04	29 26 1.20	45.237	+ 33.6	58.5	21 39 . . .			
23	Venus I, S.	6	56 10.97	+ 0.34	-18.00	51 36 5.62	48.498	+ 15.0	59.5	21 55 53.31	+ 0.30	- 12 47 5.8	
24	Venus II, N.	5	56 11.86	+ 0.34	-18.00	51 36 5.62	47.685	+ 15.0	59.5	21 55 54.20	- 0.59	- 12 46 50.1	
25	α Pegasi	II	0 1.95	+ 0.29	-17.96	24 12 6.77	42.108	+ 26.6	59.3	22 59 . . .			
March 29, S.													
26	Sun I, N.	II	31 33.51	+ 0.31	-17.92	35 4 7.90	48.632	+ 41.3	59.5	0 31 15.90	+ 64.44	+ 3 45 24.9	
27	Sun II, S.	8	33 42.40	+ 0.31	-17.92	35 36 7.55	48.615	+ 42.1	59.5	0 33 24.79	- 64.45	+ 3 13 20.8	
28	α Ursæ Minoris . . .	6	21 46.70	- 3.96	[-21.37]	310 6 4.15	45.238	- 9.2	[59.7]	1 21 . . .			
29	Mercury C, C. . . .	II	32 35.16	+ 0.30	-17.89	25 54 6.82	44.781	+ 28.5	59.5	1 32 17.57	+ 0.14	+ 12 56 50.6	
30	α Arietis	9	1 46.98	+ 0.28	-17.93	15 52 5.82	44.390	+ 16.6	60.1	2 1 . . .			
31	α Ceti	II	57 18.26	+ 0.31	-17.85	35 10 7.15	41.642	+ 41.1	60.2	2 57 . . .			
32	η Tauri	II	41 47.40	+ 0.27	-17.83	15 4 5.50	42.951	+ 15.7	59.7	3 41 . . .			
33	ζ Persei	II	48 5.55	+ 0.26	-17.77	7 16 5.88	44.955	+ 7.5	59.7	3 47 . . .			
34	θ Virginis	II	5 3.72	+ 0.40	-17.89	43 50 6.82	46.961	+ 56.9	60.4	13 4 . . .			
35	α Ursæ Minoris s. p.	7	21 31.70	+ 7.10	[-17.44]	307 38 4.20	48.033	- 16.4	[59.1]	1 21 . . .			
36	η Bootis	II	50 12.97	+ 0.33	-17.78	19 56 6.50	48.097	+ 21.6	59.9	13 49 . . .			
37	α Bootis	II	11 23.61	+ 0.33	-17.81	19 8 6.40	47.375	+ 20.6	59.1	14 11 . . .			
38	Jupiter I, S.	6	26 25.35	+ 0.42	-17.87	51 48 5.75	46.930	+ 15.3	60.1	14 26 7.90	+ 1.52	- 12 58 35.6	
39	Jupiter II, N.	5	26 28.40	+ 0.42	-17.87	51 48 5.75	44.667	+ 15.3	60.1	14 26 10.95	- 1.53	+ 12 57 52.1	
40	α^2 Libræ	II	45 37.96	+ 0.43	-17.99	54 26 5.90	49.596	+ 22.9	60.5	14 45 . . .			
41	Moon II, S.	II	51 51.74	+ 0.46	-17.87	60 6 6.48	48.816	+ 43.0	60.1	14 51 34.33	- 69.44	- 21 17 40.2	
42	β Libræ	II	11 54.59	+ 0.41	-17.87	47 50 5.98	48.285	+ 5.5	60.4	15 11 . . .			
March 29, L.													
43	β Aquarii	II	26 33.11	+ 0.28	-17.82	44 52 6.17	42.489	+ 58.4	59.8	21 26 . . .			
44	ϵ Pegasi	II	39 31.96	+ 0.24	-17.87	29 26 6.37	45.071	+ 33.1	60.0	21 39 . . .			
45	α Pegasi	II	0 1.99	+ 0.23	-17.92	24 12 6.42	42.311	+ 26.0	62.3	22 59 . . .			

Time.				Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°						' "	' "	"	' "	
24	1	51	29.758	42.2	38.9	4.	Bisections at III, IV, V.				4	+ 31 46.3	- 14 59.4		+ 16 46.9
2	40		29.760	42.6	39.5	9.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .				12	+ 1.5	- 20.6		- 19.1
10	36		29.769	33.4	32.2		Bisections at I, VII.				13	+ 1.5	+ 20.6		+ 22.1
11	25		29.784	33.0	32.0	12, 18, 24, 39.	Bisections at II, VI.				17	+ 1.5	+ 19.9		+ 21.4
13	16		29.758	30.6	29.8	13, 17, 23, 38.	Z. D. thread A used.				18	+ 1.5	- 19.9		- 18.4
14	9		29.750	29.8	28.9	19, 20.	Bisections at I, II, VII.				23	+ 6.6	+ 8.1	- 0.5	+ 14.2
25	14	15	29.218	42.8	42.9	20.	Bisections at I, VI, VII.				24	+ 6.6	- 8.1		- 1.5
28	21	33	29.425	34.2	31.0	25.	Bisections at I, II.				26	+ 5.1	- 16 2.0		- 15 56.9
22	38		29.451	36.8	32.9	26.	Bisections at VI, VII.				27	+ 5.1	+ 16 2.1		+ 16 7.2
23	4		29.454	37.3	34.3	27.	Bisections at D ₃ , D ₂ , D ₁ .				29	+ 5.0		+ 1.2	+ 6.2
29	0	33	29.464	40.2	37.9	28.	Bisections at II, VI, VII.				38	+ 1.6	+ 21.8		+ 23.4
1	5		29.464	40.9	38.8	35.	Bisections at II, III, IV, V, VI.				39	+ 1.6	- 21.7		- 20.1
2	6		29.463	43.6	41.0	36.					41	+ 49 38.8	+ 15 40.0		+ 65 18.8
3	2		29.462	44.0	41.7	41.									
3	56		29.477	43.9	42.7										
12	55		29.600	37.0	36.0										
13	56		29.605	37.4	36.2										
15	20		29.611	37.1	35.8										
21	28		29.700	43.0	42.6										
23	1		29.712	51.0	50.9										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment.								
			m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	March 30, L.											
2	Sun N.				34 42 5.26	44.795	+ 39.6	61.1	0 35 . . .		+ 4 8 44.5	
3	Sun S.				35 14 4.85	44.870	+ 40.4	61.1	1 21 . . .		+ 3 36 38.6	
4	α Ursæ Minoris . . .	6	21 48.40	- 7.16	[-19.89]	310 6 4.62	- I 7.3	[63.5]	1 21 . . .			
5	β Arietis	11	49 21.88	+ 0.21	-17.95	18 32 3.97	+ 19.1	61.6	1 49 . . .			
6	α Arietis	11	1 47.04	+ 0.20	-17.91	15 52 5.20	+ 16.2	61.8	2 1 . . .			
7	March 31, B.											
8	ε Pegasi	11	39 31.63	+ 0.10	-17.35	29 26 4.95	+ 33.5	62.8	21 39 . . .			
9	α Aquarii	11	0 53.84	+ 0.11	-17.26	39 40 5.92	+ 49.1	62.5	22 0 . . .			
10	Venus II, C. . . .	11	9 50.30	+ 0.12	-17.27	50 36 5.05	+ I 12.1	62.9	22 9 33.15	- 0.56	- I 45 9.1	
11	ζ Pegasi	8	36 43.31	+ 0.09	-17.24	28 32 4.67	+ 32.2	63.1	22 36 . . .			
12	α Pegasi	11	0 1.44	+ 0.09	-17.20	24 12 4.15	+ 26.6	63.0	22 59 . . .			
13	April 1, B.											
14	Sun I, N.	11	42 27.79	+ 0.10	-17.21	33 56 11.05	+ 39.8	62.9	0 42 10.68	+64.44	+ 4 55 7.0	
15	Sun II, S.	11	44 36.66	+ 0.10	-17.21	34 28 12.70	+ 40.6	62.9	0 44 19.55	-64.43	+ 4 23 3.8	
16	Mercury C, C. . .	11	35 1.76	+ 0.09	-17.20	25 28 2.60	+ 28.1	62.9	1 34 44.65	+ 0.16	+ 13 23 12.5	
17	β Arietis	11	49 21.25	+ 0.08	-17.19	18 32 2.60	+ 19.8	62.8	1 49 . . .			
18	α Arietis	11	1 46.45	+ 0.07	-17.19	15 52 2.28	+ 16.8	62.9	2 1 . . .			
19	γ Ceti	11	38 21.74	+ 0.11	-17.18	36 2 2.72	+ 42.8	63.2	2 38 . . .			
20	α Ceti	11	57 17.76	+ 0.10	-17.16	35 10 2.62	+ 41.3	62.9	2 57 . . .			
21	α Bootis	11	11 23.04	+ 0.21	-17.08	19 8 3.52	+ 21.0	59.9	14 11 . . .			
22	Jupiter I, S. . . .	6	25 15.23	+ 0.28	-17.12	51 42 3.00	+ I 16.5	60.4	14 24 58.39	+ 1.51	- 12 52 32.1	
23	Jupiter II, N. . .	5	25 18.26	+ 0.28	-17.12	51 42 3.00	+ I 16.4	60.4	14 25 1.42	- 1.52	- 12 51 50.8	
24	ε Bootis	11	40 54.33	+ 0.19	-17.12	11 20 . . .			14 40 . . .			
25	α² Libræ	11	45 37.35	+ 0.28	-17.17	54 26 2.18	+ I 24.5	60.1	14 45 . . .			
26	β Libræ	11	11 54.02	+ 0.27	-17.10	47 50 2.42	+ I 6.8	60.2	15 11 . . .			
27	Moon II, S. . . .	11	55 33.35	+ 0.31	-17.12	63 48 3.57	+ 2 2.7	60.4	17 55 16.54	-73.18	- 24 58 15.6	
28	γ² Sagittarii . . .	11	59 38.71	+ 0.31	-17.26	69 13 58.50	+ 2 39.0	60.5	17 59 . . .			
29	μ Sagittarii . . .	11	7 2.60	+ 0.29	-17.14	59 54 3.40	+ I 44.4	60.8	18 6 . . .			
30	η Serpentis	10	16 23.82	+ 0.26	-17.04	41 45 59.85	+ 54.1	61.2	18 16 . . .			
31	ι Aquilæ	8	30 1.45	+ 0.27	-17.02	47 8 15.15	+ I 5.3	60.0	18 29 . . .			
32	April 2, La.											
33	ε Pegasi	11	39 30.95	+ 0.21	-16.74	29 26 15.78	+ 34.1	61.6	21 39 . . .			
34	α Aquarii	11	0 53.13	+ 0.23	-16.62	39 40 6.40	+ 50.0	62.2	22 0 . . .			
35	Venus II, C. . . .	11	18 53.05	+ 0.24	-16.72	49 52 4.72	+ I 11.4	61.2	22 18 36.57	- 0.55	- 11 2 12.3	
36	α Andromedæ . . .	11	3 26.80	+ 0.18	-16.67	10 20 4.92	+ 11.0	61.4	0 3 . . .			
37	γ Pegasi	11	8 19.24	+ 0.21	-16.87	24 14 . . .			0 8 . . .			
38	April 3, La.											
39	Sun I, S.	11	49 44.04	+ 0.22	-16.73	33 42 6.78	+ 39.8	61.2	0 49 27.53	+64.58	+ 5 9 7.7	
40	Sun II, N.	11	51 53.20	+ 0.22	-16.73	33 10 12.90	+ 39.0	61.2	0 51 36.69	-64.50	+ 5 41 10.4	
41	α Ursæ Minoris . .	8	21 41.24	- 5.20	[-14.78]	310 6 11.85	- I 10.3	[60.4]	1 21 . . .			
42	β Arietis	11	49 20.71	+ 0.20	-16.77	18 32 12.22	+ 20.0	59.6	1 49 . . .			
43	α Arietis	11	1 45.89	+ 0.19	-16.76	15 52 5.10	+ 16.9	60.7	2 1 . . .			
44	α Ceti	10	57 17.14	+ 0.22	-16.67	35 10 5.98	+ 41.6	61.8	2 57 . . .			
45	γ Virginis	8	5 2.58	+ 0.38	-16.68	43 50 5.62	+ 57.7	60.9	13 4 . . .			
46	α Ursæ Minoris S. P.	10	21 33.61	+ 4.52	[-16.92]	307 38 3.45	- I 17.5	[61.9]	1 21 . . .			
47	η Bootis	11	50 11.83	+ 0.34	-16.61	19 56 4.55	+ 21.9	60.8	13 49 . . .			
48	Jupiter I, N. . . .	5	24 25.94	+ 0.39	-16.54	51 38 5.12	+ I 16.0	61.3	14 24 9.79	+ 1.59	- 12 47 37.0	
49	Jupiter II, S. . .	6	24 29.12	+ 0.39	-16.54	51 38 5.12	+ I 16.1	61.3	14 24 12.97	- 1.59	- 12 48 20.3	
50	ρ Bootis	11	27 47.66	+ 0.32	-16.40	8 2 4.00	+ 8.6	61.1	14 27 . . .			

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	' "	' "	' "
30 0 36	29.684	54.0	54.6	1, II, 34, 37.	Bisections at I, II.	1	+ 5.0	-16 2.9			-15 7.9
1 22	29.656	56.2	56.0	2, 7, 9, 12, 35.	Bisections at VI, VII.	2	+ 5.1	+16 2.9			+16 8.0
2 5	29.644	57.8	56.2	3, 36, 41.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	8	+ 6.5			0.8	+ 5.7
31 21 43	29.714	41.3	38.1	19, 43.	Bisections at I, VII.	11	+ 4.9	-16 1.5			-15 56.6
22 17	29.718	40.1	38.0	20, 44.	Bisections at II, VI.	12	+ 5.0	+16 1.6			+16 6.6
23 2	29.716	41.0	38.9	24.	Bisections at II, III, IV, V, VI.	13	+ 5.3			1.5	+ 6.8
1 0 44	29.728	43.0	39.1	30.	Bisections at I, VI, VII.	19	+ 1.6	+ 20.7			+ 22.3
1 39	29.712	43.2	40.6			20	+ 1.6	- 20.6			- 19.0
2 10	29.708	44.8	40.7			24	+ 5.2 35.3	+16 2.0			+68 37.3
3 1	29.700	45.0	42.7			31	+ 6.3			0.8	+ 5.5
14 15	29.818	32.2	30.6			34	+ 4.9	+16 1.3			+16 6.2
14 52	29.822	32.0	30.2			35	+ 4.8	-16 1.3			-15 56.5
15 18	29.822	31.3	29.9			43	+ 1.6	- 21.6			- 20.0
18 2	29.860	31.2	29.8			44	+ 1.6	+ 21.7			+ 23.3
18 35	29.862	32.2	29.6								
2 21 44	29.946	35.6	33.2								
22 23	29.950	37.0	34.4								
0 12	29.948	39.9	37.0								
0 52	29.932	40.8	39.0								
1 38	29.918	41.2	39.5								
2 6	29.910	41.8	40.3								
3 45	29.912	43.8	41.9								
12 36	29.918	36.3	35.3								
14 22	29.914	34.6	33.2								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^2 Libræ April 4, Ei.	11	45 36.60	+ 0.39	-16.49	54 26 6.15	49.622	+ 1 24.4	62.3	14 45 . .	. .		. .
2	Sun I, S.	11	53 22.80	+ 0.33	-16.66	33 18 0.20	47.238	+ 39.0	60.8	0 53 6.47	+64.45	+ 5 32 2.9	. .
3	Sun II, N.	8	55 31.69	+ 0.33	-16.66	32 46 12.25	46.418	+ 38.2	60.8	0 55 15.36	-64.44	+ 6 4 3.4	. .
4	α Tauri	11	30 24.90	+ 0.31	-16.54	22 32 7.50	46.374	+ 24.4	60.8	4 30 . .	. .		. .
5	β Tauri	11	20 12.33	+ 0.27	-16.59	10 20 4.18	44.152	+ 10.8	60.8	5 19 . .	. .		. .
6	α Orionis	11	50 0.02	+ 0.33	-16.61	31 28 6.60	43.268	+ 35.9	60.8	5 49 . .	. .		. .
7	Jupiter I, S.	5	24 0.88	+ 0.34	-16.42	51 36 6.00	45.678	+ 1 15.3	60.0	14 23 44.80	+ 1.50	- 12 46 11.8	. .
8	Jupiter II, N.	6	24 3.88	+ 0.34	-16.42	51 36 6.00	43.415	+ 1 15.3	60.0	14 23 47.80	- 1.50	- 12 45 28.5	. .
9	ϵ Bootis	11	40 53.69	+ 0.24	-16.48	11 20 5.60	49.435	+ 12.1	60.3	14 40 . .	. .		. .
10	α^2 Libræ	11	45 36.71	+ 0.35	-16.54	54 26 3.82	49.662	+ 1 23.6	60.0	14 45 . .	. .		. .
11	β Libræ	11	11 53.38	+ 0.34	-16.37	47 50 7.65	48.160	+ 1 6.1	60.0	15 11 . .	. .		. .
12	μ^1 Bootis April 4, S.	10	20 59.24	+ 0.20	-16.23	1 6 0.98	50.548	+ 1.2	59.9	15 20 . .	. .		. .
13	α^2 Capricorni	11	12 44.71	+ 0.33	-16.34	51 42 5.90	43.311	+ 1 16.2	60.8	20 12 . .	. .		. .
14	ϵ Delphini	11	28 40.56	+ 0.28	-16.31	27 54 6.38	42.619	+ 31.9	61.2	20 28 . .	. .		. .
15	Moon II, N.	11	58 5.65	+ 0.34	-16.35	53 16 4.78	48.309	+ 1 20.4	60.8	20 57 49.64	-69.73	- 14 27 5.5	. .
16	α Aquarii	11	0 52.88	+ 0.30	-16.40	39 40 7.30	42.035	+ 49.5	60.3	22 0 . .	. .		. .
17	Venus I, S.	6	27 53.10	+ 0.32	-16.34	49 8 5.60	45.620	+ 1 9.0	60.8	22 27 37.08	+ 0.31	- 10 18 3.3	. .
18	Venus II, N.	5	27 53.08	+ 0.32	-16.34	49 8 5.60	44.812	+ 1 8.9	60.8	22 27 37.96	- 0.57	- 10 17 47.6	. .
19	ζ Pegasi April 5, S.	11	36 42.30	+ 0.28	-16.35	28 32 6.90	46.527	+ 32.4	61.2	22 36 . .	. .		. .
20	Sun I, N.	11	57 1.45	+ 0.29	-16.33	32 24 4.50	44.625	+ 37.5	60.8	0 56 45.41	+64.53	+ 6 26 50.2	. .
21	Sun II, S.	11	59 10.50	+ 0.29	-16.33	32 56 5.58	44.238	+ 38.2	60.8	0 58 54.46	-64.52	+ 5 54 51.9	. .
22	α Ursæ Minoris	9	21 41.10	+ 4.79	[-15.25]	310 6 7.40	45.181	- 1 9.5	[59.7]	1 21 . .	. .		. .
23	α Arietis	11	1 45.43	+ 0.26	-16.37	15 52 3.98	44.498	+ 16.8	60.0	2 1 . .	. .		. .
24	α Ceti	11	57 16.75	+ 0.30	-16.38	35 10 5.48	41.770	+ 41.3	61.3	2 57 . .	. .		. .
25	η Tauri	11	41 45.79	+ 0.26	-16.29	15 4 4.62	43.055	+ 15.8	60.4	3 41 . .	. .		. .
26	ζ Persei	11	48 3.96	+ 0.24	-16.24	7 16 5.10	45.100	+ 7.5	60.9	3 47 . .	. .		. .
27	θ Virginis	11	5 2.35	+ 0.28	-16.34	43 50 6.15	47.004	+ 57.2	60.6	13 4 . .	. .		. .
28	Ursæ Minoris s. p.	8	21 30.31	+ 6.49	[-15.80]	307 38 4.20	47.920	- 1 16.8	[60.7]	1 21 . .	. .		. .
29	ζ Virginis	11	29 51.91	+ 0.27	-16.35	38 54 6.22	49.948	+ 48.2	61.6	13 29 . .	. .		. .
30	Jupiter I, S.	5	23 35.38	+ 0.29	-16.35	51 34 5.68	45.072	+ 1 15.5	60.7	14 23 19.32	+ 1.46	- 12 43 59.5	. .
31	Jupiter II, N.	6	23 38.30	+ 0.29	-16.35	51 34 5.68	42.920	+ 1 15.4	60.7	14 23 22.24	- 1.46	- 12 43 18.0	. .
32	α^2 Libræ	11	45 36.61	+ 0.30	-16.37	54 26 5.08	49.610	+ 1 23.9	60.4	14 45 . .	. .		. .
33	β Libræ April 5, L.	11	11 53.32	+ 0.29	-16.34	47 50 5.62	48.258	+ 1 6.3	60.1	15 11 . .	. .		. .
34	Venus I, N.	6	32 23.20	+ 0.27	-16.33	48 46 3.20	43.058	+ 1 7.6	60.6	22 32 7.14	+ 0.33	- 9 55 10.6	. .
35	Venus II, S.	5	32 24.12	+ 0.27	-16.33	48 46 3.20	43.835	+ 1 7.6	60.6	22 32 8.06	- 0.59	- 9 55 25.4	. .
36	α Andromedæ	11	3 26.45	+ 0.18	-16.26	10 20 3.02	42.298	+ 10.7	60.4	0 3 . .	. .		. .
37	γ Pegasi April 6, L.	9	8 18.74	+ 0.21	-16.33	24 14 4.80	43.385	+ 26.4	60.5	0 8 . .	. .		. .
38	Sun I, S.	11	0 40.55	+ 0.23	-16.27	32 32 5.18	48.660	+ 37.3	60.6	1 0 24.51	+64.61	+ 6 17 32.2	. .
39	Sun II, N.	11	2 49.78	+ 0.23	-16.27	32 0 9.08	48.322	+ 36.6	60.6	1 2 33.74	-64.62	+ 6 49 31.5	. .
40	α Ursæ Minoris	8	21 44.79	- 6.77	[-17.08]	310 6 3.28	45.587	- 1 9.0	[63.4]	1 21 . .	. .		. .
41	α Arietis	11	1 45.35	+ 0.19	-16.22	15 52 4.62	44.496	+ 16.6	60.4	2 1 . .	. .		. .
42	α Persei	11	17 23.44	+ 0.08	[-16.15]	349 22 3.72	42.590	- 10.8	[62.5]	3 17 . .	. .		. .
43	η Tauri	11	41 45.80	+ 0.19	-16.24	15 4 3.35	43.111	+ 15.6	60.0	3 41 . .	. .		. .
44	ζ Persei	11	48 4.01	+ 0.16	-16.22	7 16 3.00	45.250	+ 7.4	61.6	3 47 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
3 14 50	29.908	33.8	32.6	2, 16, 20, 38.	Bisections at I, II.	2	+ 4.8	+16 0.3	. .	+16 5.1
4 0 55	29.896	42.4	41.1	3, 12, 21, 39.	Bisections at VI, VII.	3	+ 4.8	-16 0.2	. .	-15 55.4
4 4 33	29.820	45.5	44.7	7, 18, 31, 35.	Bisections at I, VII.	7	+ 1.6	+ 21.6	. .	+ 23.2
5 46	29.828	45.0	44.4	8, 17, 30, 34.	Bisections at II, VI.	8	+ 1.6	- 21.7	. .	- 20.1
14 31	29.876	37.5	36.7	15.	Bisections at II, III, IV, V, VI.	15	+47 39.0	-16 16.2	. .	+31 22.8
15 30	29.854	36.5	35.5	19.	Bisections at I, II, VI.	17	+ 6.2	+ 8.1	- 0.5	+ 13.8
20 6	29.960	35.0	34.0	22, 28, 40.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	18	+ 6.2	+ 8.1	. .	- 1.9
21 3	29.937	37.9	36.7			20	+ 4.7	-15 59.1	. .	-15 54.4
21 53	30.004	40.0	38.7			21	+ 4.8	+15 59.1	. .	+16 3.9
22 42	30.019	41.8	40.9			30	+ 1.6	+ 20.7	. .	+ 22.3
5 0 59	30.012	45.0	44.8			31	+ 1.6	- 20.8	. .	- 19.2
1 35	30.006	46.6	46.5			34	+ 6.1	- 7.6	. .	- 1.5
2 4	30.000	47.9	46.4			35	+ 6.1	+ 7.6	- 0.4	+ 13.3
3 3	30.003	50.0	47.9			38	+ 4.7	+15 59.7	. .	+16 4.4
3 55	29.997	49.5	48.7			39	+ 4.7	-15 59.6	. .	-15 54.9
13 16	30.099	42.4	41.6							
14 26	30.091	39.8	38.4							
15 10	30.091	39.0	37.7							
22 35	30.150	46.9	44.7							
0 11	30.134	50.6	49.8							
1 3	30.100	52.0	51.1							
2 5	30.096	54.1	52.9							
3 19	30.084	55.6	54.2							
3 50	30.064	55.6	54.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	April 7, B.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	η Aquarii	10	30 26.32	+ 0.09	-15.49	39 28 6.75	47.370	+ 47.2	63.7	22 30 . . .	. . .		. . .
2	ζ Pegasi	11	36 41.77	+ 0.07	-15.55	28 32 7.10	46.690	+ 31.2	64.0	22 36 . . .	. . .		. . .
3	Venus I, C.	6	41 21.37	+ 0.11	-15.54	48 0 0.42	43.552	+ 1 3.7	63.8	22 41 5.94	+ 0.33	- 9 9 10.2	. . .
4	Venus II	5	41 22.28	+ 0.11	-15.54				. . .	22 41 6.85	- 0.58		. . .
5	α Pegasi	11	59 59.96	+ 0.06	-15.57	24 12 3.40	42.555	+ 25.8	63.7	22 59 . . .	. . .		. . .
	April 8, B.												
6	η Bootis	11	50 11.20	+ 0.13	-15.72	19 56 3.80	48.266	+ 21.3	60.7	13 59 . . .	. . .		. . .
7	α Bootis	11	11 21.81	+ 0.13	-15.68	19 8 3.35	47.595	+ 20.4	61.2	14 11 . . .	. . .		. . .
8	Jupiter I, N.	6	22 16.23	+ 0.20	-15.72	51 26 4.65	47.125	+ 1 13.5	60.8	14 22 0.71	+ 1.55	- 12 36 35.7	. . .
9	Jupiter II, S.	5	22 19.34	+ 0.20	-15.72	51 26 4.65	49.255	+ 1 13.6	60.8	14 22 3.82	- 1.56	- 12 37 16.6	. . .
10	ρ Bootis	11	27 47.20	+ 0.10	-15.65	8 2 3.70	46.915	+ 8.4	60.6	14 27 . . .	. . .		. . .
11	α² Libræ	5	45 36.23	+ 0.20	-15.84	54 26 . . .			. . .	14 45 . . .	. . .		. . .
	April 9, La.												
12	Venus II, C.	11	50 18.93	+ 0.17	-15.35	47 12 5.92	45.549	+ 1 3.8	61.0	22 50 3.75	- 0.51	- 8 21 56.8	. . .
13	α Pegasi	6	59 59.71	+ 0.12	-15.34	24 12 . . .			. . .	22 59 . . .	. . .		. . .
14	α Andromedæ	11	3 25.68	+ 0.09	-15.36	10 20 6.72	42.140	+ 10.7	60.8	0 3 . . .	. . .		. . .
	April 10, La.												
15	Sun I, N.	11	15 18.73	+ 0.14	-15.35	30 32 13.85	43.520	+ 34.6	61.0	1 15 3.52	+ 64.66	+ 8 19 5.2	. . .
16	Sun II, S.	11	17 28.06	+ 0.14	-15.35	31 4 8.70	43.380	+ 35.3	61.0	1 17 12.85	- 64.67	+ 7 47 8.3	. . .
17	α Ursæ Minoris	6	21 40.87	+ 6.92	[-12.99]	310 6 20.48	44.622	- 1 9.2	[60.6]	1 21 . . .	. . .		. . .
18	α Arietis	11	1 44.61	+ 0.10	-15.38	15 52 4.60	44.482	+ 16.6	59.8	2 1 . . .	. . .		. . .
19	α Ceti	11	57 15.87	+ 0.15	-15.37	35 10 5.42	41.788	+ 41.0	61.8	2 57 . . .	. . .		. . .
20	η Tauri	11	41 44.95	+ 0.10	-15.33	15 4 3.62	43.152	+ 15.7	60.9	3 41 . . .	. . .		. . .
21	α Tauri	11	30 23.75	+ 0.12	-15.28	22 32 2.50	46.792	+ 24.1	61.8	4 30 . . .	. . .		. . .
22	α Ursæ Minoris S. P.	8	21 30.88	+ 7.17	[-17.01]	307 38 4.18	47.843	- 1 16.7	[60.9]	1 21 . . .	. . .		. . .
23	ζ Virginis	11	29 50.94	+ 0.07	-15.14	38 54 6.25	49.954	+ 48.1	61.7	13 29 . . .	. . .		. . .
24	η Bootis	11	50 10.75	+ 0.04	-15.16	19 56 4.75	48.169	+ 21.6	60.4	13 49 . . .	. . .		. . .
25	Jupiter I, S.	6	21 21.75	+ 0.08	-15.10	51 22 6.18	47.190	+ 1 14.4	60.3	14 21 6.73	+ 1.57	- 12 32 39.8	. . .
26	Jupiter II, N.	5	21 24.90	+ 0.08	-15.10	51 22 6.18	44.990	+ 1 14.4	60.3	14 21 9.88	- 1.58	- 12 31 57.7	. . .
27	ε Bootis	11	40 52.52	+ 0.02	-15.00	11 20 5.22	49.350	+ 12.0	59.2	14 40 . . .	. . .		. . .
28	α² Libræ	11	45 35.65	+ 0.08	-15.11	54 26 5.58	49.664	+ 1 23.2	60.0	14 45 . . .	. . .		. . .
	April 10, L.												
29	Venus I, S.	6	54 45.78	+ 0.14	-15.31	46 48 4.32	45.918	+ 1 2.5	61.6	22 54 30.61	+ 0.35	- 7 58 0.4	. . .
30	Venus II, N.	5	54 46.72	+ 0.14	-15.31	46 48 4.32	45.280	+ 1 2.5	61.6	22 54 31.55	- 0.59	- 7 57 48.2	. . .
31	α Andromedæ	11	3 25.65	+ 0.08	-15.29	10 20 2.65	42.348	+ 10.7	60.5	0 3 . . .	. . .		. . .
	April 11, L.												
32	Sun I, S.	11	18 58.98	+ 0.12	-15.27	30 42 3.45	43.638	+ 34.4	61.6	1 18 43.83	+ 64.85	+ 8 9 14.1	. . .
33	Sun II, N.	11	21 8.69	+ 0.12	-15.27	30 10 16.52	42.965	+ 33.7	61.6	1 20 53.54	- 64.86	+ 8 41 10.7	. . .
34	α Ursæ Minoris	8	21 44.92	+ 5.85	[-17.95]	310 6 3.22	45.488	- 1 8.4	[62.5]	1 21 . . .	. . .		. . .
35	ε Tauri	12	22 59.33	+ 0.10	-15.22	19 54 4.68	43.568	+ 20.8	62.0	4 22 . . .	. . .		. . .
36	α Tauri	11	30 23.70	+ 0.10	-15.23	22 32 5.62	46.589	+ 23.8	62.2	4 30 . . .	. . .		. . .
37	ι Aurigæ	11	50 41.40	+ 0.06	-15.19	5 50 4.08	47.360	+ 5.9	61.5	4 50 . . .	. . .		. . .
38	ι Orionis	11	59 4.17	+ 0.10	-15.19	23 34 7.48	48.252	+ 25.0	61.9	4 58 . . .	. . .		. . .
39	α Ursæ Minoris S. P.	8	21 29.10	+ 7.76	[-15.63]	307 38 6.10	47.805	- 1 15.7	[63.4]	1 21 . . .	. . .		. . .
40	ζ Virginis	11	29 50.99	+ 0.10	-15.21	38 56 8.55	43.676	+ 47.5	63.0	13 29 . . .	. . .		. . .
41	η Bootis	11	50 10.74	+ 0.06	-15.16	19 56 7.78	48.084	+ 21.4	61.7	13 49 . . .	. . .		. . .
42	α Bootis	11	11 21.39	+ 0.06	-15.15	19 8 7.10	47.355	+ 20.5	60.7	14 11 . . .	. . .		. . .
	April 12, S.												
43	η Bootis	11	50 10.30	+ 0.10	-14.76	19 56 4.42	48.347	+ 20.7	63.3	13 49 . . .	. . .		. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
7 22 18	29.436	48.8	49.9	I.	Bisections at II, VI, VII.	3	+	6.0	- 0.7	+ 5.3
8 22 54	29.450	51.0	49.1	8, 26, 30.	Bisections at II, VI.	8	+	1.6	- 20.5	+ 18.9
8 13 54	29.538	42.0	40.3	9, 25, 29.	Bisections at I, VII.	9	+	1.6	+ 20.4	+ 22.0
9 23 4	29.912	44.6	42.9	15, 21, 32.	Bisections at I, II.	12	+	5.8	- 0.7	+ 5.1
23 54	29.910	46.6	45.0	16, 33.	Bisections at VI, VII.	15	+	4.5	- 15 58.5	- 15 54.0
10 1 17	29.902	48.7	46.4	17.	Bisections at C ₂ , C ₃ , C ₄ .	16	+	4.5	+ 15 58.4	+ 16 2.9
2 6	29.892	49.0	48.2	19, 43.	Bisections at I, VI, VII.	25	+	1.6	+ 21.0	+ 22.6
3 2	29.888	51.0	49.2	22, 39.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	26	+	1.6	- 21.1	- 19.5
3 57	29.874	51.2	49.3	34.	Bisections at B ₁ , B ₂ , B ₃ .	29	+	5.7	+ 6.3	+ 11.6
4 33	29.866	52.0	50.7			30	+	5.7	- 6.3	- 0.6
13 16	29.950	41.8	40.1			32	+	4.5	+ 15 58.2	+ 16 2.7
14 50	29.946	40.0	39.7			33	+	4.4	- 15 58.3	- 15 53.9
22 56	30.098	50.0	48.8							
0 9	30.088	53.5	52.3							
11 1 21	30.082	56.1	55.0							
4 28	29.652	58.5	58.3							
5 3	29.972	59.5	58.9							
13 11	29.910	47.5	45.7							
13 52	29.900	46.0	44.7							
12 13 41	29.780	59.3	60.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Bootis.	11	11 20.94	+ 0.10	-14.73	19 8 5.70	47.570	+ 19.8	62.9	14 11 . . .	.	.	.
2	Jupiter I, S. . . .	6	20 26.15	+ 0.13	-14.79	51 18 5.32	45.350	+ 10.9	63.4	14 20 11.49	+ 1.53	- 12 27 57.1	.
3	Jupiter II, N. . . .	5	20 29.22	+ 0.13	-14.79	51 18 5.32	43.085	+ 10.8	63.4	14 20 14.56	- 1.54	- 12 27 13.5	.
4	α^2 Libræ.	11	45 35.34	+ 0.13	-14.82	54 28 2.82	43.893	+ 19.4	64.1	14 45 . . .	.	.	.
5	β Libræ.	11	11 52.00	+ 0.23	-14.83	47 52 4.15	42.428	+ 2.7	63.1	15 11 . . .	.	.	.
	April 12, Ei.												
6	Venus II, N.	11	3 40.58	- 0.02	-14.45	46 0 3.00	43.178	+ 58.3	62.1	23 3 26.11	- 0.51	- 7 9 1.8	.
7	Venus S.	.	.	.	.	46 0 3.00	43.942	+ 58.3	62.1	.	.	- 7 9 16.6	.
8	α Andromedæ. . . .	11	3 25.06	- 0.04	-14.55	10 20 3.78	42.465	+ 10.3	63.3	0 3 . . .	.	.	.
9	β Andromedæ. . . .	11	4 19.45	- 0.05	-14.45	3 46 3.98	45.368	+ 3.7	63.2	1 4 . . .	.	.	.
	April 13, Ei.												
10	Sun I, N.	4	26 20.04	- 0.02	-14.53	29 26 3.92	45.000	+ 31.5	63.9	1 26 5.49	+ 64.91	+ 9 24 52.7	.
11	Sun II, S.	11	28 29.86	- 0.02	-14.53	29 57 59.98	44.872	+ 32.1	63.9	1 28 15.31	- 64.91	+ 8 52 54.5	.
12	α Arietis.	11	1 44.01	- 0.03	-14.64	15 52 4.95	44.814	+ 15.8	65.6	2 1 . . .	.	.	.
13	α Ceti.	11	57 15.32	- 0.02	-14.66	35 10 4.48	42.149	+ 38.9	65.5	2 57 . . .	.	.	.
14	η Tauri.	11	41 44.34	- 0.03	-14.61	15 4 2.00	43.505	+ 14.9	65.0	3 41 . . .	.	.	.
15	Moon I.	11	21 41.83	- 0.03	-14.60	15 26 . . .	.	.	.	4 21 27.20	+ 69.49	.	.
16	α Tauri.	11	30 23.14	- 0.03	-14.55	22 32 4.60	46.906	+ 22.9	66.3	4 30 . . .	.	.	.
17	ι Aurigæ.	11	50 10.86	- 0.04	-14.58	5 50 4.85	47.544	+ 5.7	65.5	4 50 . . .	.	.	.
18	ζ Virginis.	11	29 50.38	- 0.06	-14.43	38 56 6.45	43.992	+ 45.8	66.0	13 29 . . .	.	.	.
19	η Bootis.	11	50 10.23	- 0.07	-14.51	19 56 5.42	48.392	+ 20.6	64.7	13 49 . . .	.	.	.
20	Jupiter I, N. . . .	6	19 58.10	- 0.06	-14.45	51 16 6.10	42.002	+ 10.6	65.2	14 19 43.59	+ 1.55	- 12 24 51.5	.
21	Jupiter II, S. . . .	5	20 1.20	- 0.06	-14.45	51 16 6.10	44.228	+ 10.6	65.2	14 19 46.69	- 1.55	- 12 25 34.3	.
22	α^2 Libræ.	11	45 35.14	- 0.06	-14.41	54 28 0.85	44.085	+ 19.3	65.7	14 45 . . .	.	.	.
23	β Libræ.	11	11 51.91	- 0.05	-14.44	47 52 6.62	42.374	+ 2.6	64.4	15 11 . . .	.	.	.
	April 16, S.												
24	μ Geminorum. . . .	11	17 6.92	- 0.03	-14.19	16 16 4.92	48.504	+ 17.0	62.6	6 16 . . .	.	.	.
25	Moon I, N.	11	7 0.75	- 0.03	-14.16	17 36 3.98	43.307	+ 18.5	62.6	7 6 46.56	+ 66.15	+ 21 15 34.8	.
26	α^2 Geminorum. . . .	11	28 25.76	- 0.02	-14.15	6 44 3.85	46.954	+ 7.0	62.6	7 28 . . .	.	.	.
27	β Geminorum. . . .	11	39 24.55	- 0.02	-14.14	10 34 3.95	48.040	+ 11.0	62.2	7 39 . . .	.	.	.
28	φ Geminorum. . . .	11	47 35.44	- 0.02	-14.15	11 50 3.40	43.631	+ 12.3	63.1	7 47 . . .	.	.	.
	April 16, La.												
29	α Pegasi.	5	59 58.76	+ 0.01	-14.12	24 12 . . .	.	.	61.3	22 59 . . .	.	.	.
30	Venus II, C.	11	21 24.46	- 0.02	-14.10	44 18 3.58	49.052	+ 56.6	61.3	23 21 10.34	- 0.49	- 5 28 54.2	.
31	α Andromedæ. . . .	11	3 24.64	+ 0.02	-14.12	10 20 2.18	42.374	+ 10.6	60.1	0 3 . . .	.	.	.
32	β Andromedæ. . . .	11	4 18.98	+ 0.03	-14.02	3 46 3.15	45.339	+ 3.9	61.5	1 4 . . .	.	.	.
33	α Ursæ Minoris. . .	11	21 35.46	- 0.54	[-12.43]	310 6 2.52	45.710	- 8.1	[62.5]	1 21 . . .	.	.	.
	April 17, La.												
34	Sun I, N.	11	41 6.63	+ 0.01	-14.06	28 0 29.35	45.095	+ 30.7	61.3	1 40 52.58	+ 65.11	+ 10 50 23.6	.
35	Sun II, S.	11	43 16.85	+ 0.01	-14.06	28 32 9.98	45.475	+ 31.3	61.3	1 43 2.80	- 65.11	+ 10 18 31.2	.
36	α Ceti.	9	57 14.70	+ 0.00	-14.07	35 10 4.40	41.898	+ 40.2	62.2	2 57 . . .	.	.	.
37	ζ Persei.	11	48 1.88	+ 0.03	-14.05	7 16 2.00	45.282	+ 7.3	60.1	3 47 . . .	.	.	.
38	α Tauri.	.	.	.	.	22 32 5.02	46.718	+ 23.6	62.3	4 30 . . .	.	.	.
39	ι Aurigæ.	11	50 40.11	+ 0.03	-13.95	5 50 3.50	47.411	+ 5.9	61.5	4 50 . . .	.	.	.
40	α^2 Geminorum. . . .	11	28 25.53	+ 0.03	-13.99	6 44 4.12	46.970	+ 6.7	63.4	7 28 . . .	.	.	.
41	α Canis Minoris. . .	11	34 16.77	+ 0.00	-13.98	33 22 4.60	44.600	+ 37.3	63.3	7 34 . . .	.	.	.
42	β Geminorum. . . .	11	39 24.27	+ 0.02	-13.92	10 34 2.95	48.181	+ 10.6	63.5	7 39 . . .	.	.	.
43	Moon I, N.	11	57 43.51	+ 0.01	-13.97	20 34 4.28	45.298	+ 21.3	63.4	7 57 29.55	+ 64.60	+ 18 16 54.4	.
44	η Cancræ.	11	27 8.45	+ 0.02	-13.99	18 4 3.78	45.293	+ 18.6	63.3	8 26 . . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.			
d h m	in.	°	°				/ //	/ //	//	/ //			
12 14 36	29.765	57.9	59.7	2, 7, 21.	Bisections at II, VI.	2	+ 1.6	+ 21.8	.	+ 23.4			
15 20	29.761	58.6	59.4	3, 6, 20.	Bisections at I, VII.	3	+ 1.6	- 21.8	.	- 20.2			
22 59	29.870	65.3	65.0	4, 9, 18, 22, 44.	Bisections at II, VI, VII.	6	+ 5.6	- 7.7	.	- 2.1			
23 55	29.868	67.8	67.4	10, 34, 38.	Bisections at I, II.	7	+ 5.6	+ 7.7	- 0.6	+ 12.7			
0 53	29.860	69.5	69.1	11, 35.	Bisections at VI, VII.	10	+ 4.3	- 15 59.0	.	- 15 54.7			
1 28	29.852	70.2	70.9	25.	Bisections at II, III, IV, V, VI.	11	+ 4.4	+ 15 59.1	.	+ 16 3.5			
1 45	29.840	71.0	71.8	33.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	20	+ 1.6	- 21.4	.	+ 19.8			
2 54	29.822	74.0	74.9	43.	Bisections at III, IV, V.	21	+ 1.6	+ 21.4	.	+ 23.0			
3 48	29.788	75.0	75.0			25	+ 16 20.1	- 14 52.4	.	+ 1 27.7			
4 55	29.774	77.0	77.1			30	+ 5.4	.	- 0.7	+ 4.7			
13 25	29.664	61.5	59.3			34	+ 4.1	- 15 56.1	.	- 15 52.0			
14 14	29.642	60.5	58.2			35	+ 4.2	+ 15 56.2	.	+ 16 0.4			
15 16	29.632	60.0	58.4			43	+ 18 56.3	- 14 49.1	.	+ 4 7.2			
16 6 21	29.660	50.2	47.9										
7 21	29.687	47.7	45.3										
7 53	29.703	46.6	44.1										
23 21	29.948	52.2	51.2										
0 3	29.954	54.0	52.0										
0 57	29.950	56.2	54.7										
1 43	29.940	57.5	55.8										
3 2	29.928	60.0	59.7										
3 52	29.914	63.0	61.8										
4 56	29.894	63.4	63.7										
7 24	29.888	63.0	64.7										
8 11	29.886	61.8	61.3										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	α Ursæ Minoris S. P.	8	21 30.82	+ 4.91	[-13.17]	307 38 3.18	47.821	- 1 14.7	[63.5]	1 21 . . .	. . .	. . .	. . .
2	η Bootis	11	50 9.57	- 0.09	-13.79	19 56 2.70	48.334	+ 21.1	62.0	13 49 . . .	. . .	. . .	. . .
3	Jupiter I, S.	6	18 3.17	- 0.09	-13.81	51 6 6.32	44.995	+ 1 11.9	62.8	14 17 49.27	+ 1.57	- 12 15 52.8	. . .
4	Jupiter II, N.	5	18 6.32	- 0.09	-13.81	51 6 6.32	42.745	+ 1 11.9	62.8	14 17 52.42	- 1.58	- 12 15 9.8	. . .
5	ρ Bootis	11	27 45.63	- 0.10	-13.77	8 2 5.48	46.859	+ 8.3	62.6	14 27 . . .	. . .	. . .	. . .
6	ε Bootis	11	40 51.53	- 0.10	-13.80	11 20 4.95	49.461	+ 11.7	62.2	14 40 . . .	. . .	. . .	. . .
7	α² Libræ	11	45 34.68	- 0.10	-13.86	54 28 6.02	43.638	+ 1 21.3	63.5	14 45 . . .	. . .	. . .	. . .
8	δ Scorpii	11	54 38.88	- 0.10	-13.80	61 10 4.90	44.380	+ 1 45.6	62.5	15 54 . . .	. . .	. . .	. . .
9	β¹ Scorpii	11	59 51.01	- 0.10	-13.83	58 22 4.62	44.046	+ 1 34.4	63.4	15 59 . . .	. . .	. . .	. . .
10	δ Ophiuchi	11	9 19.99	- 0.09	-13.75	42 16 5.15	47.170	+ 53.0	62.5	16 9 . . .	. . .	. . .	. . .
11	Uranus C, C.	11	23 3.35	- 0.10	-13.79	60 18 5.82	42.700	+ 1 42.0	62.8	16 22 49.46	. . .	- 21 27 38.4	. . .
12	ζ Ophiuchi	11	31 52.72	- 0.09	-13.77	49 12 5.05	45.472	+ 1 7.5	63.7	16 31 . . .	. . .	. . .	. . .
April 17, Ei.													
13	α Andromedæ	11	3 24.31	- 0.04	-13.71	10 20 2.38	42.512	+ 10.4	62.6	0 3 . . .	. . .	. . .	. . .
14	β Ceti	9	38 45.67	- 0.01	-13.82	57 22 2.90	45.772	+ 1 28.2	64.0	0 38 . . .	. . .	. . .	. . .
15	α Ursæ Minoris	6	21 39.88	- 4.93	[-13.32]	310 6 2.78	45.702	- 1 6.6	[64.0]	1 21 . . .	. . .	. . .	. . .
April 18, Ei.													
16	Sun I, S.	11	44 49.15	- 0.02	-13.75	28 11 59.25	43.450	+ 30.2	64.2	1 44 35.38	+65.10	+ 10 39 28.7	. . .
17	Sun II, N.	11	46 59.34	- 0.02	-13.74	27 40 10.22	43.075	+ 29.5	64.2	1 46 45.58	-65.10	+ 11 11 21.7	. . .
18	α Arietis	10	1 43.24	- 0.03	-13.85	15 52 2.35	44.919	+ 16.0	64.8	2 1 . . .	. . .	. . .	. . .
19	α Ceti	11	57 14.39	- 0.02	-13.74	35 10 0.05	42.340	+ 39.4	65.6	2 57 . . .	. . .	. . .	. . .
20	α Persei	11	17 21.03	- 0.09	-13.65	349 22 2.92	42.823	- 10.4	64.6	3 17 . . .	. . .	. . .	. . .
21	η Tauri	11	41 43.40	- 0.04	-13.68	15 4 3.28	43.446	+ 15.1	65.2	3 41 . . .	. . .	. . .	. . .
22	ε Persei	11	48 1.60	- 0.04	-13.71	7 16 4.18	45.461	+ 7.2	65.5	3 47 . . .	. . .	. . .	. . .
23	γ Tauri	10	14 17.41	- 0.03	-13.71	23 28 3.30	44.860	+ 24.3	66.1	4 14 . . .	. . .	. . .	. . .
24	Moon I, N.	11	46 16.11	- 0.08	-13.60	24 20 8.78	45.842	+ 25.6	65.3	8 46 2.43	+63.27	+ 14 30 37.1	. . .
25	κ Cancri	11	2 32.67	- 0.08	-13.57	27 46 7.02	46.750	+ 29.8	65.4	9 2 . . .	. . .	. . .	. . .
26	α Hydræ	11	22 53.41	- 0.08	-13.59	47 3 59.90	45.040	+ 1 0.8	65.9	9 22 . . .	. . .	. . .	. . .
27	ε Leonis	11	40 23.56	- 0.09	-13.58	14 36 4.50	47.875	+ 14.8	65.0	9 40 . . .	. . .	. . .	. . .
28	μ Leonis	11	47 17.68	- 0.09	-13.59	12 22 5.30	46.075	+ 12.5	65.5	9 47 . . .	. . .	. . .	. . .
29	β Virginis	11	5 0.01	- 0.08	-13.58	43 50 7.40	47.281	+ 55.1	65.0	13 4 . . .	. . .	. . .	. . .
30	α Ursæ Minoris S. P.	8	21 29.14	+ 5.68	[-12.13]	307 38 4.30	47.776	- 1 14.0	[64.8]	1 21 . . .	. . .	. . .	. . .
31	β¹ Scorpii	11	59 50.89	- 0.08	-13.71	58 22 4.72	44.225	+ 1 33.2	64.8	15 59 . . .	. . .	. . .	. . .
April 18, Sec.													
32	Venus II, C.	11	30 14.15	- 0.07	-13.56	43 28 8.10	45.360	+ 53.6	66.4	23 30 0.52	- 0.49	- 4 37 39.8	. . .
33	α Ursæ Minoris	4	21 47.75	- 5.65	[-19.35]	310 6 . . .	. . .	. . .	. . .	1 21 . . .	. . .	. . .	. . .
April 19, Sec.													
34	Sun I, S.	11	48 32.18	- 0.08	-13.54	27 50 13.45	46.482	+ 29.6	66.4	1 48 18.56	+65.02	+ 11 0 19.1	. . .
35	Sun II, N.	11	50 42.23	- 0.08	-13.54	27 18 13.12	46.920	+ 29.0	66.4	1 50 28.61	-65.03	+ 11 32 7.7	. . .
36	α Persei	11	17 20.95	- 0.15	-13.52	349 22 10.55	42.544	- 10.4	66.2	3 17 . . .	. . .	. . .	. . .
37	α Aurigæ	11	9 28.70	- 0.14	-13.49	352 58 5.58	43.800	- 6.8	65.4	5 9 . . .	. . .	. . .	. . .
38	α Canis Minoris	11	34 16.36	- 0.08	-13.52	33 22 10.88	44.509	+ 37.1	67.6	7 34 . . .	. . .	. . .	. . .
39	α Hydræ	10	22 53.30	- 0.11	-13.46	47 4 3.45	44.942	+ 1 1.0	67.7	9 22 . . .	. . .	. . .	. . .
40	Moon I, N.	11	33 11.03	- 0.11	-13.48	28 43 56.98	44.952	+ 31.2	67.0	9 32 57.44	+62.35	+ 10 7 2.1	. . .
41	α Leonis	11	3 15.83	- 0.11	-13.44	26 22 4.32	49.778	+ 28.3	67.4	10 3 . . .	. . .	. . .	. . .
42	γ¹ Leonis	11	14 40.67	- 0.12	-13.45	18 30 0.02	45.670	+ 19.1	67.1	10 14 . . .	. . .	. . .	. . .
43	ρ Leonis	11	27 45.93	- 0.11	-13.46	29 0 8.88	49.619	+ 31.7	66.5	10 27 . . .	. . .	. . .	. . .
44	l Leonis	11	44 13.30	- 0.11	-13.43	27 46 2.62	46.310	+ 30.1	66.6	10 43 . . .	. . .	. . .	. . .
45	δ Crateris	11	14 33.94	- 0.11	-13.58	53 4 1.00	46.508	+ 1 16.1	66.6	11 14 . . .	. . .	. . .	. . .
46	η Bootis	11	50 9.25	- 0.12	-13.43	19 56 5.12	48.429	+ 21.0	66.4	13 49 . . .	. . .	. . .	. . .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
17	13 30	29.892	52.0	51.6	1, 30.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	3	+ 1.6	+ 21.5	. . .	+ 23.1
14	8	29.890	52.2	50.9		Bisections at I, VII.	4	+ 1.6	- 21.5	. . .	- 19.9
14	50	29.888	51.6	50.1	3.	Bisections at I, VI.	11	+ 0.4	. . .	. . .	+ 0.4
16	6	29.886	50.2	48.9	4.	Bisections at VI, VII.	16	+ 4.1	+15 56.5	. . .	+16 0.6
16	29	29.872	49.8	48.4	10.	Bisections at C ₁ , C ₂ , C ₅ .	17	+ 4.1	-15 56.5	. . .	-15 52.4
0	0	29.960	62.7	62.5	15.	Bisections at I, II.	24	+22 13.8	-14 48.8	. . .	+ 7 25.0
1	11	29.950	66.0	66.1	16, 34.	Bisections at VI, VII.	32	+ 5.2	. . .	- 0.7	+ 4.5
1	47	29.934	67.5	68.0	20.	Bisections at I, VI, VII.	34	+ 4.1	+15 54.2	. . .	+15 58.3
2	8	29.936	68.0	68.9	23.	Bisections at I, II, VII.	35	+ 4.0	-15 54.3	. . .	-15 50.3
3	4	29.922	69.0	69.9	24.	Bisections at B ₁ , C ₁ , C ₅ , D ₃ .	40	+26 1.6	-14 51.5	. . .	+11 10.1
3	55	29.910	72.0	70.8	40.	Bisections at B ₁ , B ₃ , D ₁ , D ₃ .					
4	20	29.900	72.0	71.0							
8	52	29.870	65.8	63.9							
9	54	29.878	64.0	62.2							
12	59	29.854	58.5	55.8							
14	24	29.830	57.0	54.7							
15	49	29.818	56.0	53.9							
23	32	29.864	64.8	63.8							
1	34	29.874	68.8	68.3							
1	51	29.874	69.2	68.5							
3	17	29.854	70.6	69.7							
5	20	29.848	70.2	69.6							
7	34	29.872	67.4	66.2							
8	54	29.872	64.0	62.5							
9	55	29.882	61.8	60.2							
10	32	29.888	61.2	59.1							
11	20	29.886	59.5	57.2							
13	45	29.896	56.3	54.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Bootis	11	11 19.95	- 0.12	-13.45	19 8 3.72	47.745	+ 20.1	65.6	14 11 .			
2	Jupiter I, S.	6	17 4.83	- 0.11	-13.44	51 0 7.70	48.455	+ 1 11.2	65.8	14 16 51.28	+ 1.44	- 12 10 56.9	
3	Jupiter II, N.	5	17 7.72	- 0.11	-13.44	51 0 7.70	46.340	+ 1 11.2	65.8	14 16 54.17	- 1.45	- 12 10 16.4	
4	ε Bootis	11	40 51.18	- 0.13	-13.39	11 20 6.15	49.551	+ 11.6	65.4	14 40 .			
5	β Bootis	11	58 25.07	- 0.15	-13.33	358 4 5.68	46.068	- 1.9	64.8	14 58 .			
6	β Librae	11	11 51.15	- 0.11	-13.52	47 52 3.80	42.588	+ 1 3.8	65.8	15 11 .			
7	α Serpentis	11	39 34.19	- 0.11	-13.49	32 6 1.65	46.612	+ 36.3	66.9	15 39 .			
8	δ Scorpii	11	54 38.73	- 0.12	-13.59	61 10 7.18	44.628	+ 1 44.7	[68.5]	15 54 .			
9	δ Ophiuchi	11	9 19.82	- 0.11	-13.52	42 16 1.95	47.606	+ 52.6	65.8	16 9 .			
10	Uranus C, C.	11	22 48.29	- 0.12	-13.52	60 16 1.75	47.656	+ 1 41.0	65.8	16 22 34.65		- 21 27 5.3	
11	κ Ophiuchi	11	53 9.57	- 0.11	-13.46	29 18 1.78	48.761	+ 32.5	65.9	16 52 .			
12	α Herculis	11	10 18.71	- 0.12	-13.43	24 20 5.85	47.631	+ 26.2	65.9	17 10 .			
13	β Ophiuchi	11	20 29.02	- 0.12	-13.61	62 54 4.12	46.698	+ 1 51.3	65.1	17 20 .			
14	Saturn I, S.	6	31 52.62	- 0.12	-13.58	60 38 2.40	45.578	+ 1 42.8	65.8	17 31 38.92	+ 0.53	- 21 48 27.9	
15	Saturn II, N.	5	31 53.68	- 0.12	-13.58	60 38 2.40	44.702	+ 1 42.8	65.8	17 31 39.98	- 0.53	- 21 48 11.2	
16	γ² Sagittarii	10	0 36.13	- 0.12	-13.66	69 14 3.85	46.171	+ 2 32.2	66.3	17 59 .			
April 19, L.													
17	α Piscis Australis	11	52 19.22	- 0.13	-13.71	68 58 3.58	45.379	+ 2 29.2	63.1	22 52 .			
18	α Pegasi	11	59 58.36	- 0.14	-13.51	24 12 4.22	42.520	+ 26.0	64.5	22 59 .			
19	Venus I, N.	6	34 38.27	- 0.13	-13.56	43 2 4.32	45.462	+ 53.6	64.0	23 34 24.58	+ 0.36	- 4 11 40.4	
20	Venus II, S.	5	34 39.20	- 0.13	-13.56	43 2 4.32	46.175	+ 53.6	64.0	23 34 25.51	- 0.57	- 4 11 54.1	
21	α Andromedæ	11	3 24.23	- 0.16	-13.47	10 20 3.78	42.512	+ 10.5	64.1	0 3 .			
22	α Ursæ Minoris	8	21 45.02	- 7.01	[-15.11]	310 6 1.92	45.934	- 1 7.0	[66.5]	1 21 .			
April 20, L.													
23	Sun I, S.	11	52 15.53	- 0.14	-13.53	27 30 5.95	45.098	+ 29.5	64.9	1 52 1.86	+ 65.26	+ 11 20 51.7	
24	Sun II, N.	11	54 26.05	- 0.14	-13.53	26 57 59.78	45.685	+ 28.8	64.9	1 54 12.38	- 65.26	+ 11 52 43.5	
25	ζ Persei	11	48 1.50	- 0.16	-13.49	7 16 6.18	45.358	+ 7.2	65.4	3 47 .			
26	ε Tauri	11	22 57.77	- 0.14	-13.50	19 54 3.35	43.892	+ 20.4	66.3	4 22 .			
27	α Tauri	11	30 22.20	- 0.14	-13.56	22 32 5.05	46.845	+ 23.3	66.0	4 30 .			
28	ι Aurigæ	11	50 39.77	- 0.17	-13.44	5 50 3.30	47.659	+ 5.8	65.7	4 50 .			
29	μ Leonis	11	47 17.68	- 0.17	-13.54	12 22 3.40	46.160	+ 12.6	65.5	9 47 .			
30	α Leonis	11	3 15.97	- 0.16	-13.54	26 22 6.40	49.510	+ 28.5	64.7	10 3 .			
31	γ¹ Leonis	11	14 40.79	- 0.16	-13.54	18 30 5.88	45.226	+ 19.2	64.6	10 14 .			
32	Moon I, N.	11	19 13.40	- 0.16	-13.53	33 36 7.88	41.678	+ 38.1	64.6	10 18 59.71	+ 61.98	+ 5 15 44.6	
33	ρ Leonis	11	27 46.02	- 0.16	-13.51	29 0 7.82	49.559	+ 31.9	64.6	10 27 .			
34	α Ursæ Minoris S. P.	8	21 31.39	+ 4.78	[-13.19]	307 38 5.75	47.759	- 1 14.7	[65.8]	1 21 .			
35	Jupiter I, N.	6	16 35.63	- 0.17	-13.57	50 58 7.62	44.710	+ 1 11.4	64.6	14 16 21.89	+ 1.57	- 12 7 46.5	
36	Jupiter II, S.	5	16 38.78	- 0.17	-13.57	50 58 7.62	46.960	+ 1 11.5	64.6	14 16 25.04	- 1.58	- 12 8 29.6	
37	ε Bootis	11	40 51.40	- 0.17	-13.56	11 20 6.32	49.450	+ 11.7	63.9	14 40 .			
38	α² Librae	8	45 34.54	- 0.17	-13.61	54 28 6.02	43.722	+ 1 21.1	64.8	14 45 .			
39	β Librae	11	11 51.26	- 0.17	-13.56	47 52 5.90	42.334	+ 1 4.1	64.4	15 11 .			
April 20, Br.													
40	Venus I.	6	39 2.68	- 0.15	-13.44	42 36 .				23 38 49.09	+ 0.34		
41	Venus II	5	39 3.54	- 0.15	-13.44					23 38 49.95	- 0.52		
April 21, Br.													
42	Sun I.	11	55 59.21	- 0.15	-13.46	26 54 .				1 55 45.60	+ 65.40		
43	Sun II	11	58 10.00	- 0.15	-13.46					1 57 56.39	- 65.39		
44	α Tauri	11	30 22.12	- 0.16	-13.47	22 32 3.90	46.970	+ 23.0	67.3	4 30 .			
45	β Orionis	11	9 55.54	- 0.15	-13.49	47 10 4.02	43.868	+ 59.9	68.7	5 9 .			
46	ε Orionis	11	31 19.99	- 0.15	-13.47	40 6 3.90	47.251	+ 49.1	70.0	5 31 .			

Time.	Baroni.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
19 14 30	29.886	55.7	53.7	2, 14, 20, 36, 38.	Bisections at I, VII.	2	+ 1.6	+ 20.3	.	+ 21.9
16 30	29.884	53.9	52.6		Bisections at II, VI.	3	+ 1.6	- 20.2	.	- 18.6
17 45	29.882	52.7	50.9	3, 15, 19, 35.	Bisections at C₁, C₂, C₃, C₄, C₅.	10	+ 0.4	.	.	+ 0.4
22 54	29.970	58.0	54.9	22, 34.	Bisections at I, II.	14	+ 0.8	+ 8.3	.	+ 9.1
23 4	29.976	58.4	54.3		Bisections at VI, VII.	15	+ 0.8	- 8.4	.	- 7.6
23 38	29.986	60.1	57.9		Bisections at III, IV, V.	19	+ 5.1	- 7.1	.	- 2.0
0 9	29.990	62.0	59.8		Bisections at I, VI, VII.	20	+ 5.1	+ 7.1	- 0.5	+ 11.7
1 17	29.988	65.1	63.8	44.		23	+ 4.0	+ 15 55.9	.	+ 15 59.9
1 54	29.970	66.2	65.7			24	+ 4.0	- 15 55.9	.	- 15 51.9
3 50	29.962	69.5	67.9			32	+ 30 9.1	- 14 56.8	.	+ 15 12.3
4 34	29.942	70.0	68.5			35	+ 1.5	- 21.6	.	- 20.1
9 51	29.948	61.3	59.0			36	+ 1.5	+ 21.5	.	+ 23.0
10 27	29.948	59.8	57.5							
13 17	29.946	56.0	52.7							
14 24	29.940	54.0	52.2							
15 16	29.930	53.8	51.2							
21 4 23	29.852	75.0	74.2							
5 33	29.852	72.5	71.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Orionis	11	49 57.15	- 0.15	- 13.51	31 28 4.35	43.854	+ 34.1	68.4	5 49 . . .	. . .	. . .	. . .
2	ρ Leonis	11	27 46.01	- 0.15	- 13.52	29 0 5.95	49.675	+ 32.1	65.2	10 27 . . .	. . .	. . .	. . .
3	ι Leonis	11	44 13.48	- 0.15	- 13.59	27 46 3.45	46.168	+ 30.6	65.4	10 43 . . .	. . .	. . .	. . .
4	Moon I, N	11	5 15.31	- 0.17	- 13.53	38 44 5.35	45.433	+ 46.7	64.8	11 5 1.61	+ 62.24	+ 0 6 26.8	. . .
5	τ Leonis	11	23 1.16	- 0.16	- 13.51	35 26 1.78	45.872	+ 41.5	64.4	11 22 . . .	. . .	. . .	. . .
6	ν Leonis	11	32 3.22	- 0.17	- 13.50	39 6 5.88	47.629	+ 47.5	64.3	11 31 . . .	. . .	. . .	. . .
7	Jupiter I, S.	6	16 6.18	- 0.19	- 13.48	50 56 2.32	45.582	+ 12.7	63.1	14 15 52.51	+ 1.56	- 12 6 0.6	. . .
8	Jupiter II, N.	5	16 9.30	- 0.19	- 13.48	50 56 2.32	43.285	+ 12.7	63.1	14 15 55.63	- 1.56	- 12 5 16.6	. . .
9	ρ Bootis	11	27 45.34	- 0.13	- 13.42	8 2 3.42	46.951	+ 8.4	63.3	14 27 . . .	. . .	. . .	. . .
10	ϵ Bootis	11	40 51.26	- 0.13	- 13.45	11 20 3.90	49.465	+ 11.9	62.1	14 40 . . .	. . .	. . .	. . .
11	α^2 Libræ	11	45 34.48	- 0.20	- 13.51	54 27 56.98	43.962	+ 22.7	62.6	14 45 . . .	. . .	. . .	. . .
12	δ Scorpii	11	54 38.77	- 0.22	- 13.49	61 10 2.65	44.386	+ 47.4	61.9	15 54 . . .	. . .	. . .	. . .
13	β^1 Scorpii	11	59 50.90	- 0.21	- 13.53	58 22 1.62	44.081	+ 36.0	62.6	15 59 . . .	. . .	. . .	. . .
14	δ Ophiuchi	11	9 19.80	- 0.17	- 13.40	42 15 59.05	47.510	+ 53.9	62.5	16 9 . . .	. . .	. . .	. . .
15	Uranus C, C.	11	22 32.94	- 0.22	- 13.45	60 15 58.90	45.552	+ 43.7	61.9	16 22 19.27	. . .	- 21 26 28.7	. . .
April 21, B.													
16	α Pegasi	9	59 58.15	- 0.18	- 13.21	24 11 59.85	42.671	+ 26.4	63.5	22 59 . . .	. . .	. . .	. . .
17	Venus I	5	43 26.88	- 0.17	- 13.18	42 10 . . .	. . .	. . .	. . .	23 43 13.53	+ 0.38	. . .	. . .
18	Venus II	6	43 27.85	- 0.17	- 13.18	. . .	. . .	. . .	. . .	23 43 14.50	- 0.59	. . .	. . .
19	α Andromedæ	11	3 24.02	- 0.19	- 13.19	10 20 5.05	42.419	+ 10.7	63.7	0 3 . . .	. . .	. . .	. . .
20	β Andromedæ	10	4 18.40	- 0.21	- 13.13	3 46 1.25	45.641	+ 3.9	64.9	1 4 . . .	. . .	. . .	. . .
April 22, B.													
21	Sun I, N.	10	59 43.44	- 0.18	- 13.17	26 16 0.98	50.955	+ 28.5	64.7	1 59 30.09	+ 65.44	+ 12 33 22.4	. . .
22	Sun II, S.	11	1 54.32	- 0.18	- 13.17	26 47 59.70	49.560	+ 29.2	64.7	2 1 40.97	- 65.44	+ 12 1 28.6	. . .
23	γ Persei	4	48 1.32	- 0.20	- 13.28	7 16 1.35	45.678	+ 7.3	65.1	3 47 . . .	. . .	. . .	. . .
24	α Tauri	11	30 21.82	- 0.18	- 13.15	22 32 3.60	46.922	+ 23.7	66.4	4 30 . . .	. . .	. . .	. . .
25	ι Aurigæ	11	50 39.49	- 0.20	- 13.15	5 50 2.02	47.709	+ 5.9	65.3	4 50 . . .	. . .	. . .	. . .
26	β Tauri	11	20 9.05	- 0.19	- 13.11	10 20 2.30	44.571	+ 10.4	65.5	5 19 . . .	. . .	. . .	. . .
27	ν Leonis	11	32 3.03	- 0.23	- 13.26	39 6 7.58	47.565	+ 47.2	64.5	11 31 . . .	. . .	. . .	. . .
28	β Leonis	11	44 11.05	- 0.22	- 13.32	23 41 59.28	48.391	+ 25.6	63.8	11 43 . . .	. . .	. . .	. . .
29	Moon I, N.	11	52 13.60	- 0.24	- 13.31	44 0 1.30	47.483	+ 56.1	64.0	11 52 0.05	+ 63.16	- 5 10 18.7	. . .
30	α Virginis	11	0 20.40	- 0.22	- 13.30	29 32 3.20	49.645	+ 33.0	63.6	12 0 . . .	. . .	. . .	. . .
31	γ Corvi	11	10 53.32	- 0.25	- 13.36	55 48 2.45	48.776	+ 25.6	64.1	12 10 . . .	. . .	. . .	. . .
32	η Bootis	11	50 9.12	- 0.22	- 13.19	19 56 3.00	48.376	+ 21.3	64.0	13 49 . . .	. . .	. . .	. . .
33	Jupiter I, N.	5	15 36.76	- 0.24	- 13.22	50 54 3.25	41.888	+ 12.0	64.0	14 15 23.30	+ 1.56	- 12 2 49.2	. . .
34	Jupiter II, S.	6	15 39.87	- 0.24	- 13.22	50 54 3.25	44.100	+ 12.0	64.0	14 15 26.41	- 1.55	- 12 3 31.5	. . .
35	ϵ Bootis	11	40 51.14	- 0.22	- 13.23	11 20 4.45	49.462	+ 11.8	62.7	14 40 . . .	. . .	. . .	. . .
36	α^2 Libræ	11	45 34.25	- 0.24	- 13.23	54 28 5.85	43.659	+ 21.9	64.2	14 45 . . .	. . .	. . .	. . .
37	δ Scorpii	11	54 38.59	- 0.26	- 13.25	61 10 5.88	44.396	+ 46.3	64.2	15 54 . . .	. . .	. . .	. . .
38	β^1 Scorpii	11	59 50.67	- 0.25	- 13.24	58 22 4.62	44.065	+ 35.1	64.4	15 59 . . .	. . .	. . .	. . .
39	δ Ophiuchi	11	9 19.70	- 0.23	- 13.23	42 16 6.78	47.224	+ 53.4	64.3	16 9 . . .	. . .	. . .	. . .
40	Uranus C, C.	11	22 24.83	- 0.26	- 13.23	60 16 6.85	44.391	+ 42.6	64.0	16 22 11.34	. . .	- 21 26 11.2	. . .
41	γ Ophiuchi	11	31 52.39	- 0.24	- 13.18	49 12 6.02	45.386	+ 8.0	63.7	16 31 . . .	. . .	. . .	. . .
April 23, S.													
42	γ Corvi	11	10 53.32	- 0.18	- 13.43	55 48 5.15	48.862	+ 24.4	65.8	12 10 . . .	. . .	. . .	. . .
43	η Virginis	11	15 0.92	- 0.19	- 13.38	38 56 5.88	48.927	+ 46.4	65.5	12 14 . . .	. . .	. . .	. . .
44	Moon I, N.	11	41 7.14	- 0.18	- 13.38	49 12 2.65	45.111	+ 6.5	65.4	12 40 53.58	+ 64.72	- 10 21 43.5	. . .
45	θ Virginis	11	4 59.93	- 0.18	- 13.39	43 50 5.30	47.376	+ 55.3	64.9	13 4 . . .	. . .	. . .	. . .
46	α Virginis	11	20 9.02	- 0.18	- 13.31	49 28 5.62	46.960	+ 7.3	65.5	13 19 . . .	. . .	. . .	. . .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
21	5 48	29.850	72.0	70.9	4.	Bisections at B ₁ , B ₂ , C ₃ , D ₁ , D ₃ .	4	+34 25.0	-15 4.4	.	+19 20.6
10	21	29.990	59.5	54.9	7, 34.	Bisections at I, VII.	7	+ 1.5	+ 22.0	.	+ 23.5
10	47	30.010	56.0	51.9	8, 33.	Bisections at II, VI.	8	+ 1.5	- 22.0	.	- 20.5
11	37	30.020	53.5	49.8	11.	Bisections at II, VI, VII.	15	+ 0.4	. . .	.	+ 0.4
14	30	30.026	47.5	44.0	21, 23, 42.	Bisections at I, II.	21	+ 3.9	-15 56.9	.	-15 53.0
14	52	30.020	47.5	43.7	22.	Bisections at VI, VII.	22	+ 3.9	+15 56.9	.	+16 0.8
15	48	30.012	46.0	42.6	29.	Bisections at III, IV, V.	29	+38 37.9	-15 13.8	.	+23 24.1
16	26	29.992	45.2	41.8	43.	Bisections at I, II, VII.	33	+ 1.5	- 21.1	.	- 19.6
22	56	30.088	52.0	47.9	44.	Bisections at II, III, IV, V, VI.	34	+ 1.5	+ 21.2	.	+ 22.7
0	51	30.090	56.0	53.9			40	+ 0.4	. . .	.	+ 0.4
1	10	30.090	58.0	55.7			44	+42 34.9	-15 24.1	.	+27 10.8
2	1	30.076	59.6	57.5							
3	46	30.052	65.0	62.6							
4	27	30.044	65.8	62.9							
5	25	30.040	64.2	63.1							
11	29	30.054	55.4	53.9							
12	16	30.048	54.0	52.1							
13	47	30.048	51.8	49.5							
14	49	30.034	50.4	48.5							
15	51	30.020	49.6	47.7							
16	27	30.022	49.0	47.1							
23	11 58	29.958	60.0	58.0							
12	34	29.951	59.0	57.0							
13	29	29.950	57.8	55.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	April 23, La.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Pegasi	11	59 58.36	-0.08	-13.47	24 12 5.02	42.505	+	25.6	64.9	22 59 . .		
2	Venus I, C.	6	52 15.33	-0.07	-13.51	41 16 2.90	49.159	+	49.6	65.7	23 52 1.75	+0.35	-2 26 44.2
3	Venus II	5	52 16.20	-0.07	-13.51						23 52 2.62	-0.52	
4	α Andromedæ	11	3 24.30	-0.09	-13.53	10 20 3.05	42.634	+	10.3	65.4	0 3		
5	β Ceti	11	38 45.63	-0.06	-13.64	57 22 5.98	45.709	+	27.5	66.5	0 38		
6	β Andromedæ	6	4 18.62	-0.10	-13.43	3 46 5.90	45.435	+	3.7	66.7	1 4		
	April 24, La.												
7	Sun I, S.	11	7 13.54	-0.08	-13.55	26 10 6.12	43.942	+	27.3	66.6	2 6 59.91	+65.51	+12 41 17.6
8	Sun II, N.	11	9 24.55	-0.08	-13.55	25 38 5.88	44.268	+	26.6	66.6	2 9 10.92	-65.50	+13 13 8.4
9	ζ Persei	11	48 1.48	-0.10	-13.55	7 16 2.90	45.638	+	7.1	67.5	3 47		
10	α Tauri	11	30 22.16	-0.08	-13.60	22 32 4.50	46.974	+	22.9	67.5	4 30		
11	ι Aurigæ	11	50 39.80	-0.10	-13.58	5 50 4.05	47.720	+	5.7	67.2	4 50		
12	β Orionis	11	9 55.53	-0.06	-13.61	47 10 5.55	43.784	+	59.2	68.2	5 9		
13	θ Virginis	11	4 59.89	-0.27	-13.25	43 50 7.55	47.390	+	54.4	66.5	13 4		
14	α Virginis	11	20 9.07	-0.28	-13.26	49 28 6.48	47.136	+	6.2	68.6	13 19		
15	Moon I, S.	11	32 50.27	-0.29	-13.27	54 33 59.68	44.035	+	19.5	67.8	13 32 36.71	+66.82	-15 43 32.3
16	η Bootis	11	50 9.30	-0.29	-13.29	19 55 59.48	48.725	+	20.6	66.8	13 49		
17	Jupiter I, N.	6	14 37.92	-0.28	-13.28	50 48 4.62	45.332	+	9.4	67.8	14 14 24.36	+1.51	-11 57 50.2
18	Jupiter II, S.	5	14 40.94	-0.28	-13.28	50 48 4.62	47.495	+	9.5	67.8	14 14 27.38	-1.51	-11 58 31.7
19	α Libræ	11	45 34.49	-0.28	-13.40	54 28 4.68	44.001	+	19.3	67.0	14 45		
20	δ Scorpii	11	54 38.77	-0.28	-13.37	61 10 5.90	44.789	+	42.9	68.2	15 54		
21	β Scorpii	11	59 50.80	-0.28	-13.30	58 22 4.48	44.479	+	32.0	69.0	15 59		
22	δ Ophiuchi	11	9 19.82	-0.27	-13.27	42 16 6.85	47.476	+	51.7	67.6	16 9		
23	Uranus C, C.	11	22 8.58	-0.28	-13.32	60 14 4.95	49.176	+	39.2	67.8	16 21 54.98		-21 25 33.9
24	ζ Ophiuchi	11	31 52.50	-0.27	-13.22	49 12 5.12	45.790	+	5.8	68.4	16 31		
	April 24, Ei.												
25	α Pegasi	11	59 58.46	-0.30	-13.33	24 12 3.70	42.712	+	25.2	67.1	22 59		
26	Venus I, C.	6	56 39.38	-0.27	-13.30	40 50 3.20	47.594	+	48.1	67.5	23 56 25.81	+0.31	-2 0 11.2
27	Venus II	5	56 40.16	-0.27	-13.30						23 56 26.59	-0.47	
28	α Andromedæ	11	3 24.34	-0.34	-13.30	10 20 2.65	42.750	+	10.2	67.2	0 3		
29	γ Pegasi	11	8 16.49	-0.30	-13.27	24 14 3.28	43.915	+	25.0	68.3	0 8		
30	β Andromedæ	11	4 18.77	-0.36	-13.30	3 46 4.08	45.673	+	3.7	67.3	1 4		
	April 25, Ei.												
31	Sun I, N.	11	10 59.20	-0.30	-13.28	25 18 4.25	46.032	+	26.1	68.0	2 10 45.62	+65.56	+13 32 42.0
32	Sun II, S.	11	13 10.32	-0.30	-13.28	25 50 4.15	45.220	+	26.7	68.0	2 12 56.74	-65.56	+13 0 53.2
33	β Tauri	8	20 9.28	-0.34	-13.21	10 20 2.38	44.790	+	10.1	68.0	5 19		
34	δ Orionis	11	27 5.39	-0.28	-13.30	39 12 4.75	48.754	+	44.8	69.1	5 26		
35	α Orionis	11	49 56.97	-0.29	-13.23	31 28 2.90	44.010	+	33.7	69.1	5 49		
	April 26, Sec.												
36	δ Leonis	11	9 0.71	-0.25	-13.25	17 46 4.88	47.172	+	18.1	67.1	11 8		
37	ϵ Leonis	11	23 0.92	-0.24	-13.23	35 26 8.35	45.752	+	40.2	67.6	11 22		
38	ν Leonis	11	32 2.99	-0.25	-13.22	39 6 6.50	47.821	+	45.9	67.0	11 31		
39	β Leonis	11	44 10.92	-0.25	-13.19	23 42 5.08	48.268	+	24.8	66.8	11 43		
40	α Ursæ Minoris S. P.	8	21 34.42	+5.70	-14.98	307 38 6.28	47.606	-	12.7	[66.5]	1 21		
41	η Bootis	11	50 9.12	-0.25	-13.14	19 56 5.12	48.474	+	20.5	67.8	13 49		
42	Jupiter I, S.	6	13 38.72	-0.25	-13.12	50 44 4.45	44.495	+	9.0	67.1	14 13 25.35	+1.47	-11 53 34.2
43	Jupiter II, N.	5	13 41.66	-0.25	-13.12	50 44 4.45	42.332	+	9.0	67.1	14 13 28.29	-1.47	-11 52 52.8
44	ρ Bootis	11	27 45.07	-0.26	-12.97	8 2					14 27		
45	ϵ Bootis	11	40 51.14	-0.26	-13.16	11 20 8.28	49.446	+	11.4	66.6	14 40		

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.	
d h m	in.	°	°				' "	' "	"	' "	
23 23 4	29.938	62.2	62.4	6, 8, 32.	Bisections at VI, VII.	2	+	4.9	—	0.6	+ 4.3
23 23 56	29.948	66.2	65.7		Bisections at I, II.	7	+	3.9	+15	55.3	+15 59.2
0 42	29.950	69.8	68.8	7, 31.	Bisections at II, VI, VII.	8	+	3.8	—15	55.4	—15 51.6
1 40	29.938	73.0	73.2	9.	Bisections at II, III, IV.	15	+46	22.6	+15	34.8	+61 57.4
24 2 9	29.934	74.5	74.9	15.	Bisections at II, VI.	17	+	1.5	—	20.7	— 19.2
3 46	29.920	77.2	77.0	17, 43.	Bisections at I, VII.	18	+	1.5	+	20.8	+ 22.3
4 35	29.894	78.2	77.9	18, 42.	Bisections at I, II, VI.	23	+	0.4	.	.	+ 0.4
5 10	29.880	78.6	78.2	30, 35.	Bisection at II.	26	+	4.8	—	0.6	+ 4.2
13 8	29.858	64.2	62.8	33.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ , C ₄ , C ₃ , C ₂ .	31	+	3.7	—15	54.3	—15 50.6
13 42	29.852	63.6	62.2	40.		32	+	3.8	+15	54.4	+15 58.2
14 19	29.846	63.2	62.0			42	+	1.5	+	20.7	+ 22.2
14 50	29.840	62.8	61.7			43	+	1.5	—	20.7	— 19.2
15 52	29.832	62.6	60.9								
16 36	29.828	61.8	60.1								
23 2	29.864	68.5	68.6								
0 14	29.870	74.0	73.1								
1 34	29.856	76.5	76.4								
2 13	29.840	77.3	76.9								
5 12	29.788	77.5	77.9								
5 55	29.780	77.0	75.7								
26 11 10	29.753	65.0	62.4								
13 25	29.750	63.6	62.7								
14 20	29.750	63.5	62.2								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
		m s	s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α ² Libræ	11	45 34.25	- 0.26	-13.16	54 28 0.80	44.291	+ 1 19.0	68.1	14 45 . . .	. . .	. . .	. . .
2	Moon II, S.	11	29 26.39	- 0.27	-13.10	61 52 4.58	48.861	+ 1 45.5	67.1	15 29 13.02	-71.45	- 23 3 34.6	. . .
3	ε Serpentis	11	46 3.33	- 0.24	-13.10	34 4 6.70	45.224	+ 1 38.3	66.9	15 45 . . .	. . .	. . .	. . .
4	δ Scorpïi	11	54 38.63	- 0.26	-13.20	61 10 6.32	44.695	+ 1 42.7	66.6	15 54 . . .	. . .	. . .	. . .
5	Uranus C, C.	11	21 51.74	- 0.26	-13.09	60 14 2.30	47.251	+ 1 39.1	67.1	16 21 38.39	. . .	- 21 24 54.9	. . .
6	α ¹ Herculis	11	10 18.53	- 0.25	-12.96	24 20 9.82	47.436	+ 1 25.7	66.8	17 10 . . .	. . .	. . .	. . .
7	Saturn I, S.	6	30 51.60	- 0.26	13.07	60 36 5.85	48.545	+ 1 40.5	67.1	17 30 38.27	+ 0.69	- 21 47 24.6	. . .
8	Saturn II, N.	5	30 52.98	- 0.26	13.07	60 36 5.85	47.555	+ 1 40.5	67.1	17 30 39.65	- 0.69	- 21 47 5.8	. . .
April 26, L.													
9	α Andromedæ	11	3 24.15	- 0.35	13.06	10 20 2.68	42.758	+ 10.2	65.8	0 3 . . .	. . .	. . .	. . .
10	Venus I, S.	6	5 26.78	- 0.29	13.06	39 58 4.28	43.335	+ 1 46.9	66.5	0 5 13.43	+ 0.37	- 1 6 50.4	. . .
11	Venus II, N.	5	5 27.70	- 0.29	13.06	39 58 4.28	42.642	+ 1 46.9	66.5	0 5 14.35	- 0.55	- 1 6 37.1	. . .
12	β Andromedæ	11	4 18.57	- 0.37	-13.05	3 45 59.65	45.864	+ 3.7	67.1	1 4 . . .	. . .	. . .	. . .
April 27, L.													
13	Sun I, N.	11	18 31.69	- 0.31	13.05	24 40 14.98	43.870	+ 25.7	66.5	2 18 18.33	+65.82	+ 14 11 11.6	. . .
14	Sun II, S.	11	20 43.34	- 0.31	-13.05	25 12 3.92	43.618	+ 26.4	66.5	2 20 29.98	-65.83	+ 13 39 23.0	. . .
15	α Tauri	11	30 21.86	- 0.32	-13.08	22 32 4.80	46.900	+ 23.5	66.9	4 30 . . .	. . .	. . .	. . .
16	ι Aurigæ	8	50 39.47	- 0.36	-13.00	5 50 3.75	47.691	+ 5.8	66.2	4 50 . . .	. . .	. . .	. . .
17	β Orionis	11	9 55.20	- 0.29	-13.07	47 10 3.92	43.691	+ 1 0.8	66.7	5 9 . . .	. . .	. . .	. . .
18	Tauri	11	20 9.05	- 0.35	-12.99	10 20 4.18	44.534	+ 10.3	66.3	5 19 . . .	. . .	. . .	. . .
19	δ Scorpïi	11	54 38.62	- 0.42	-13.01	61 10 5.00	44.520	+ 1 45.7	64.8	15 54 . . .	. . .	. . .	. . .
20	β ² Scorpïi	8	59 50.78	- 0.41	-13.09	58 22 4.20	44.144	+ 1 34.5	64.7	15 59 . . .	. . .	. . .	. . .
21	δ Ophiuchi	11	9 19.78	- 0.37	-13.07	42 16 6.25	47.258	+ 53.0	64.3	16 9 . . .	. . .	. . .	. . .
22	Moon S.	11	9 19.78	. . .	. . .	63 42 6.80	40.795	+ 1 57.5	64.6	16 30 . . .	. . .	- 24 51 16.7	. . .
April 27, Br.													
23	α Andromedæ	11	3 23.89	- 0.13	-12.99	10 20 4.08	42.475	+ 10.5	63.5	0 3 . . .	. . .	. . .	. . .
24	Venus I, N.	6	9 50.37	- 0.14	-13.04	39 30 5.35	45.998	+ 47.5	65.5	0 9 37.19	+ 0.33	- 0 39 44.1	. . .
25	Venus II, S.	5	9 51.20	- 0.14	-13.04	39 30 5.35	46.800	+ 47.5	65.5	0 9 38.02	- 0.50	- 0 39 59.5	. . .
26	Mercury C, C.	11	2 23.66	- 0.14	-13.03	34 20 5.70	44.782	+ 39.1	65.5	1 2 10.49	- 0.18	+ 4 30 47.2	. . .
27	β Andromedæ	11	4 18.38	- 0.13	-13.08	3 46 3.12	45.568	+ 3.8	65.4	1 4 . . .	. . .	. . .	. . .
April 28, Br.													
28	Sun I, S.	10	22 18.50	- 0.13	13.03	24 52 6.98	46.900	+ 26.5	65.5	2 22 5.34	+65.88	+ 13 58 19.7	. . .
29	Sun II, N.	11	24 30.25	- 0.13	-13.03	24 20 12.62	46.808	+ 25.8	65.5	2 24 17.09	-65.87	+ 14 30 12.7	. . .
30	η Tauri	11	41 42.83	- 0.13	-13.03	15 4 3.85	43.405	+ 15.3	64.7	3 41 . . .	. . .	. . .	. . .
31	ζ Persei	11	48 1.02	- 0.13	-13.05	7 16 3.48	45.532	+ 7.3	65.4	3 47 . . .	. . .	. . .	. . .
32	α Tauri	11	30 21.60	- 0.13	-13.01	22 32 5.02	46.860	+ 23.5	66.3	4 30 . . .	. . .	. . .	. . .
33	ι Aurigæ	11	50 39.16	- 0.13	-12.93	5 50 4.75	47.658	+ 5.8	66.4	4 50 . . .	. . .	. . .	. . .
34	β Orionis	11	9 55.03	- 0.14	-13.06	47 10 3.82	43.690	+ 1 0.8	66.7	5 9 . . .	. . .	. . .	. . .
35	γ Virginis	11	4 59.56	- 0.28	-12.92	43 50 2.58	47.540	+ 55.4	65.4	13 4 . . .	. . .	. . .	. . .
36	α Ursæ Minoris s. p.	8	21 34.02	+ 4.56	-12.43	307 38 0.28	47.894	- 1 14.4	[65.6]	1 21 . . .	. . .	. . .	. . .
37	ζ Virginis	11	29 49.04	- 0.27	-12.81	38 56 4.22	44.101	+ 46.6	66.6	13 29 . . .	. . .	. . .	. . .
38	Jupiter I, N.	6	12 39.35	- 0.29	-12.85	50 37 59.42	45.590	+ 1 10.4	65.0	14 12 26.21	+ 1.59	- 11 47 53.6	. . .
39	Jupiter II, S.	5	12 42.54	- 0.29	-12.85	50 37 59.42	47.870	+ 1 10.4	65.0	14 12 29.40	- 1.60	- 11 48 37.5	. . .
40	ρ Bootis	11	27 44.90	- 0.26	-12.79	8 2 0.38	47.104	+ 8.2	64.5	14 27 . . .	. . .	. . .	. . .
41	ε Bootis	11	40 50.77	- 0.26	-12.77	11 19 58.85	49.810	+ 11.7	65.0	14 40 . . .	. . .	. . .	. . .
42	α ² Libræ	11	45 34.08	- 0.29	-12.94	54 27 59.52	44.096	+ 1 20.9	65.0	14 45 . . .	. . .	. . .	. . .
43	Uranus C, C.	11	21 34.16	- 0.31	-12.84	60 13 59.32	45.091	+ 1 41.5	65.0	16 21 21.01	. . .	- 21 24 15.1	. . .
44	ζ Ophiuchi	11	31 52.20	- 0.28	-12.83	49 12 1.92	45.694	+ 1 7.4	65.1	16 31 . . .	. . .	. . .	. . .
45	κ Ophiuchi	11	53 9.25	- 0.26	-12.80	29 17 58.98	48.755	+ 32.7	64.2	16 52 . . .	. . .	. . .	. . .
46	α ¹ Herculis	11	10 18.41	- 0.26	-12.78	24 19 59.65	47.812	+ 26.4	64.8	17 10 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in	°	°				' "	' "	"	' "
26 15 20	29.736	63.0	61.6	2.	Bisections at B ₁ , C ₁ , C ₅ , D ₃ .	2	+51 15.1	+15 53.8	. . .	+67 8.9
16 22	29.734	60.9	58.9	7, 11, 24, 38.	Bisections at I, VII.	5	+ 0.4	. . .	. . .	+ 0.4
17 40	29.734	61.3	59.7	8, 10, 25, 39.	Bisections at II, VI.	7	+ 0.8	+ 9.4	. . .	+ 10.2
23 59	29.870	71.0	68.4	9, 13, 28.	Bisections at I, II.	8	+ 0.8	- 9.4	. . .	- 8.6
1 8	29.884	72.1	69.3	14, 29.	Bisections at VI, VII.	10	+ 4.7	+ 6.9	- 0.5	+ 11.1
2 20	29.886	72.0	68.8	22.	Bisections at II, III, IV, V, VI.	11	+ 4.7	- 6.9	. . .	- 2.2
4 33	29.900	69.5	64.3	27.	Bisections at II, VI, VII.	13	+ 3.6	-15 54.2	. . .	-15 50.6
5 15	29.900	69.0	65.2	36.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	14	+ 3.7	+15 54.3	. . .	+15 58.0
15 53	29.972	53.0	49.7			22	+52 29.0	+16 1.0	. . .	+68 30.0
16 51	29.972	53.0	49.8			24	+ 4.6	- 8.0	. . .	- 3.4
0 0	30.024	60.0	56.5			25	+ 4.6	+ 8.0	- 0.6	+ 12.0
0 15	30.032	61.5	57.6			26	+ 7.5	. . .	- 1.3	+ 6.2
1 34	30.028	63.8	61.1			28	+ 3.7	+15 56.4	. . .	+16 0.1
2 24	30.014	64.7	61.9			29	+ 3.6	-15 56.5	. . .	-15 52.9
3 33	29.994	66.2	64.9			38	+ 1.5	- 21.9	. . .	- 20.4
3 51	29.996	67.5	65.9			39	+ 1.5	+ 22.0	. . .	+ 23.5
4 33	29.986	68.5	66.2			43	+ 0.4	. . .	. . .	+ 0.4
5 13	29.974	68.5	66.7							
12 55	30.000	58.5	56.0							
13 32	30.000	57.5	55.3							
14 51	29.996	55.9	53.9							
16 34	29.982	53.5	50.9							
16 56	29.978	53.3	50.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1.	<i>b</i> Ophiuchi	11	20 28.78	- 0.31	-12.94	62 53 59.75	46.774	+ 1 53.6	64.5	17 20 . . .			
2	Saturn I	6	30 30.63	- 0.31	-12.84	60 36 . . .				17 30 17.48	+ 0.70		
3	Saturn II	5	30 32.04	- 0.31	-12.84					17 30 18.89	- 0.71		
4	Moon II, S. April 28, B.	11	35 34.54	- 0.32	-12.84	63 52 2.62	46.050	+ 1 58.5	65.0	17 35 21.38	-73.60	25 2 53.9	
5	<i>α</i> Andromedæ	10	3 23.60	- 0.29	-12.52	10 20 3.55	42.608	+ 10.5	65.6	0 3 . . .			
6	<i>γ</i> Pegasi	11	8 15.81	- 0.29	-12.52	24 14 4.72	43.658	+ 25.9	65.3	0 8 . . .			
7	Venus I, C.	6	14 13.83	- 0.30	-12.51	39 4 4.02	43.618	+ 46.6	65.5	0 14 1.02	+ 0.38	0 12 56.3	
8	Venus II.	5	14 14.78	- 0.30	-12.51					0 14 1.97	- 0.57		
9	<i>β</i> Andromedæ April 29, B.	11	4 17.99	- 0.30	-12.50	3 46 2.92	45.630	+ 3.8	65.8	1 4 . . .			
10	Sun I, N.	11	26 6.02	- 0.29	-12.50	24 2 9.65	45.298	+ 25.2	66.4	2 25 53.23	+ 65.89	14 48 49.9	
11	Sun II, S.	11	28 17.81	- 0.29	-12.50	24 34 9.65	44.445	+ 25.8	66.4	2 28 5.02	- 65.90	14 17 1.9	
12	<i>η</i> Tauri	11	41 42.53	- 0.29	-12.56	15 4 8.30	43.285	+ 15.1	66.6	3 41 . . .			
13	<i>ζ</i> Persei	11	48 0.55	- 0.30	-12.41	7 16 4.85	45.546	+ 7.2	66.8	3 47 . . .			
14	<i>ε</i> Tauri	11	22 56.88	- 0.29	-12.50	19 54 2.18	44.035	+ 20.2	67.4	4 22 . . .			
15	<i>α</i> Tauri	11	30 21.22	- 0.29	-12.47	22 32 5.32	46.934	+ 23.2	67.7	4 30 . . .			
16	<i>ζ</i> Virginis	11	29 48.79	- 0.24	-12.59	38 56 1.60	44.298	+ 46.2	67.4	13 29 . . .			
17	<i>η</i> Bootis	11	50 8.51	- 0.24	-12.53	19 56 1.82	45.544	+ 20.8	66.6	13 49 . . .			
18	Jupiter I, S.	6	12 9.70	- 0.24	-12.56	50 36 2.58	46.372	+ 1 9.7	66.6	14 11 56.90	+ 1.59	11 46 9.5	
19	Jupiter II, N.	5	12 12.88	- 0.24	-12.56	50 36 2.58	44.152	+ 1 9.6	66.6	14 12 0.08	- 1.59	11 45 26.9	
20	<i>ε</i> Bootis	11	40 50.56	- 0.26	-12.56	11 20 6.58	49.442	+ 11.6	65.7	14 40 . . .			
21	<i>α</i> ² Libræ	11	45 33.68	- 0.24	-12.58	54 28 7.52	43.787	+ 1 20.1	65.6	14 45 . . .			
22	<i>β</i> ¹ Scorpii	11	59 50.21	- 0.24	-12.65	58 22 1.62	44.510	+ 1 33.0	67.6	15 59 . . .			
23	<i>δ</i> Ophiuchi	11	9 19.09	- 0.24	-12.47	42 16 1.80	47.635	+ 52.2	66.4	16 9 . . .			
24	Uranus C, C.	11	21 25.03	- 0.24	-12.54	60 14 4.18	43.975	+ 1 40.2	66.6	16 21 12.25		21 23 55.6	
25	<i>ζ</i> Ophiuchi	11	31 51.85	- 0.24	-12.50	49 12 5.10	45.639	+ 1 6.5	66.4	16 31 . . .			
26	<i>b</i> Ophiuchi	11	20 28.45	- 0.25	-12.64	62 54 1.60	46.886	+ 1 52.1	67.0	17 20 . . .			
27	Saturn I, S.	6	30 19.58	- 0.25	-12.55	60 36 2.72	47.002	+ 1 41.9	66.6	17 30 6.78	+ 0.65	21 46 53.8	
28	Saturn II, N.	5	30 20.88	- 0.25	-12.55	60 36 2.72	46.000	+ 1 41.8	66.6	17 30 8.08	- 0.65	21 46 34.6	
29	<i>μ</i> Sagittarii	11	7 59.40	- 0.25	-12.55	59 54 4.52	47.776	+ 1 39.2	67.0	18 7 . . .			
30	<i>η</i> Serpentis	11	16 20.57	- 0.24	-12.51	41 46 6.52	45.352	+ 51.4	66.9	18 16 . . .			
31	<i>ι</i> Aquilæ	11	29 58.28	- 0.24	-12.52	47 8 7.62	48.891	+ 1 2.1	66.3	18 29 . . .			
32	Moon II, N. April 30, S.	11	39 18.28	- 0.26	-12.56	61 52 3.92	43.493	- 1 47.4	66.6	18 39 5.46	-73.00	23 1 53.4	
33	<i>σ</i> Sagittarii	11	49 16.11	- 0.24	-12.55	65 14 4.82	46.924	+ 2 3.7	67.2	18 49 . . .			
34	<i>d</i> Sagittarii	11	11 59.12	- 0.23	-12.46	57 58 5.30	44.232	+ 1 31.4	65.5	19 11 . . .			
35	Moon II, N.	11	41 9.41	- 0.24	-12.38	58 50 3.02	47.713	+ 1 34.6	66.6	19 40 56.79	-71.55	20 1 0.7	
36	<i>α</i> ² Capricorni	11	12 41.98	- 0.22	-12.26	51 42 5.00	43.712	+ 1 12.4	66.9	20 12 . . .			
37	<i>ε</i> Delphini April 30, La.	11	28 37.75	- 0.22	-12.25	27 54 6.32	42.849	+ 30.3	66.6	20 28 . . .			
38	<i>α</i> Andromedæ	11	3 23.44	- 0.42	-12.18	10 20 . . .				0 3 . . .			
39	Venus I	5	23 1 68	- 0.40	-12.25	38 10 . . .				0 22 49.03	+ 0.29		
40	Venus II.	6	23 2.40	- 0.40	-12.25					0 22 49.75	- 0.43		
41	<i>β</i> Andromedæ	11	4 17.94	- 0.43	-12.31	3 46 1.72	46.070	+ 3.7	[72.8]	1 4 . . .			
42	<i>α</i> Ursæ Minoris May 1, La.	7	21 48.99	- 7.88	[-13.82]	310 6 . . .				1 21 . . .			
43	Sun I	11	33 42.74	- 0.40	-12.19	23 40 . . .				2 33 30.15	+ 66.06		
44	Sun II	11	35 54.86	- 0.40	-12.19					2 35 42.27	- 66.06		
45	<i>ι</i> Aurigæ	11	50 38.67	- 0.42	-12.16	5 50 2.62	47.918	+ 5.6	69.0	4 50 . . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
28 17 39	29.984	52.5	49.9	4, 32, 35.	Bisections at II, III, IV, V, VI.	4	+52 51.6	+16 6.3		+68 57.9
23 55	30.060	58.5	56.7	6.	Bisections at I, II, VI.	7	+ 4.5		- 0.6	+ 3.9
0 22	30.064	61.0	59.6	10.	Bisections at I, II.	10	+ 3.6	-15 54.0		-15 50.4
1 8	30.068	63.6	62.3	11.	Bisections at VI, VII.	11	+ 3.6	+15 54.0		+15 57.6
29 2 28	30.060	68.2	67.9	18, 27.	Bisections at I, VII.	18	+ 1.5	+ 21.3		+ 22.8
3 44	30.048	71.8	71.5	19, 28.	Bisections at II, VI.	19	+ 1.5	- 21.3		- 19.8
4 28	30.034	74.0	72.9	21.	Bisections at II, VI, VII.	24	+ 0.4			+ 0.4
13 34	30.008	62.0	60.1			27	+ 0.8	+ 9.6		+ 10.4
14 5	30.004	59.7	59.7			28	+ 0.8	- 9.6		- 8.8
14 53	29.994	60.4	58.9			32	+52 5.3	-16 9.7		+35 55.6
16 40	29.986	59.4	57.9			35	+50 37.4	-16 11.2		+34 26.2
17 25	29.982	58.3	57.0							
18 0	29.966	58.0	56.8							
18 45	29.986	57.6	56.1							
19 18	29.884	59.8	57.3							
19 29	29.889	59.0	57.0							
20 26	29.886	59.4	58.0							
0 11	29.910	71.2	70.4							
1 18	29.922	75.2	74.1							
2 35	29.892	78.0	77.9							
4 55	29.844	84.2	83.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Orionis	11	9 54.34	-0.41	-12.12	47 10 3.02	44.045	+ 58.5	70.8	5 9 . . .	. . .	. . .	. . .
2	β Tauri	11	20 8.19	-0.42	-12.10	10 20 2.78	44.785	+ 10.0	69.2	5 19 . . .	. . .	. . .	. . .
3	δ Orionis	11	27 4.24	-0.40	-12.08	39 12 4.62	48.809	+ 44.3	69.9	5 26 . . .	. . .	. . .	. . .
4	η Bootis	11	50 8.13	-0.34	-12.05	19 56 . . .	. . .	. . .	. . .	13 49 . . .	. . .	. . .	. . .
5	Jupiter I, N.	6	11 10.97	-0.33	-12.08	50 30 4.92	47.725	+ 1 8.0	68.9	14 10 58.56	+ 1.50	- 11 40 33.8	. . .
6	Jupiter II, S.	5	11 13.98	-0.33	-12.08	50 30 4.92	49.800	+ 1 8.0	68.9	14 11 1.57	- 1.51	- 11 41 13.7	. . .
7	ρ Bootis	11	27 44.26	-0.36	-12.03	8 2 3.15	47.139	+ 8.0	68.5	14 27 . . .	. . .	. . .	. . .
8	ε Bootis	11	40 50.21	-0.35	-12.10	11 20 4.58	49.686	+ 11.3	68.5	14 40 . . .	. . .	. . .	. . .
9	α ² Libræ	11	45 33.37	-0.33	-12.15	54 28 5.28	44.178	+ 1 18.4	69.7	14 45 . . .	. . .	. . .	. . .
May 1, B.													
10	α Andromedæ	11	3 23.18	-0.44	-11.88	10 20 3.18	42.695	+ 10.2	68.0	0 3 . . .	. . .	. . .	. . .
11	Venus I, C.	5	27 25.30	-0.40	-11.88	37 42 4.78	46.868	+ 42.9	69.1	0 27 13.02	+ 0.38	+ 1 8 7.9	. . .
12	Venus II	6	27 26.23	-0.40	-11.88	. . .	. . .	. . .	. . .	0 27 13.95	- 0.55	. . .	. . .
13	β Andromedæ	10	4 17.58	-0.46	-11.87	3 46 3.38	45.862	+ 3.7	70.4	1 4 . . .	. . .	. . .	. . .
14	Mercury C, C.	11	8 51.13	-0.40	-11.87	34 20 5.52	47.134	+ 37.7	69.6	1 8 38.86	- 0.15	+ 4 30 7.7	. . .
15	α Ursæ Minoris	8	21 46.78	-18.40	-10.71	310 6 . . .	. . .	. . .	. . .	1 21 . . .	. . .	. . .	. . .
May 2, B.													
16	Sun I, S.	11	37 31.85	-0.42	-11.84	23 38 3.88	49.440	+ 24.0	70.6	2 37 19.59	+ 66.13	+ 15 11 41.6	. . .
17	Sun II, N.	11	39 44.10	-0.42	-11.84	23 6 3.72	50.128	+ 23.4	70.6	2 39 31.84	- 66.12	+ 15 43 25.6	. . .
18	η Tauri	10	41 42.00	-0.43	-11.89	15 4 2.10	43.972	+ 14.7	73.1	3 41 . . .	. . .	. . .	. . .
19	ζ Persei	11	48 0.02	-0.45	-11.73	7 16 1.52	46.052	+ 7.0	72.1	3 47 . . .	. . .	. . .	. . .
20	β Orionis	10	9 53.98	-0.40	-11.78	47 10 5.78	43.812	+ 58.4	70.6	5 9 . . .	. . .	. . .	. . .
21	α Orionis	11	49 55.65	-0.41	-11.85	31 28 8.70	43.831	+ 33.1	71.7	5 49 . . .	. . .	. . .	. . .
22	α Ursæ Minoris s. p.	9	21 29.99	+ 8.21	-10.34	307 38 2.52	47.850	- 1 12.0	[70.4]	1 21 . . .	. . .	. . .	. . .
23	ε Bootis	11	40 49.84	-0.38	-11.69	11 20 5.18	49.654	+ 11.3	68.7	14 40 . . .	. . .	. . .	. . .
24	δ Scorpii	11	54 37.45	-0.39	-11.79	61 10 0.88	45.218	+ 1 41.8	70.0	15 54 . . .	. . .	. . .	. . .
25	β ² Scorpii	11	59 49.55	-0.38	-11.80	58 21 58.30	44.898	+ 1 31.0	69.6	15 59 . . .	. . .	. . .	. . .
26	δ Ophiuchi	9	9 18.47	-0.37	-11.67	42 6 1.10	47.862	+ 51.1	69.2	16 9 . . .	. . .	. . .	. . .
27	Uranus C, C.	11	20 57.27	-0.38	-11.77	60 12 2.80	47.224	+ 1 38.0	69.2	16 20 45.12	. . .	- 21 22 51.7	. . .
28	δ Ophiuchi	9	20 27.83	-0.39	-11.81	62 53 58.62	47.158	+ 1 49.7	68.3	17 20 . . .	. . .	. . .	. . .
29	Saturn I, S.	5	29 44.40	-0.38	-11.82	60 36 5.25	45.385	+ 1 39.6	69.2	17 29 32.20	+ 0.74	- 21 46 20.6	. . .
30	Saturn II, N.	6	29 45.87	-0.38	-11.82	60 36 5.25	44.480	+ 1 39.6	69.2	17 29 33.67	- 0.73	- 21 46 3.0	. . .
31	γ ² Sagittarii	11	59 35.05	-0.40	-11.90	69 14 5.80	46.461	+ 2 27.4	69.0	17 59 . . .	. . .	. . .	. . .
32	μ Sagittarii	11	7 58.85	-0.38	-11.78	59 54 3.78	48.058	+ 1 36.8	69.4	18 7 . . .	. . .	. . .	. . .
May 3, L.													
33	α Andromedæ	11	3 22.64	-0.29	-11.43	10 20 4.05	42.410	+ 10.6	62.4	0 3 . . .	. . .	. . .	. . .
34	Venus I, C.	5	36 13.56	-0.32	-11.41	36 48 6.58	45.753	+ 43.3	62.6	0 36 1.83	+ 0.31	+ 2 2 20.6	. . .
35	Venus II	5	36 14.32	-0.32	-11.41	. . .	. . .	. . .	. . .	0 36 2.59	- 0.45	. . .	. . .
36	β Andromedæ	11	4 16.96	-0.28	-11.39	3 46 3.88	45.438	+ 3.9	62.8	1 4 . . .	. . .	. . .	. . .
37	α Ursæ Minoris	7	21 43.47	-3.08	-14.95	310 6 3.50	46.066	- 1 8.0	[65.5]	1 21 . . .	. . .	. . .	. . .
May 4, L.													
38	Sun I, N.	11	45 11.64	-0.30	-11.42	22 32 7.90	46.222	+ 23.7	63.7	2 44 59.92	+ 66.30	+ 16 18 32.7	. . .
39	Sun II, S.	11	47 24.25	-0.30	-11.42	23 4 5.95	45.295	+ 24.4	63.7	2 47 12.53	- 66.31	+ 15 46 48.0	. . .
40	ζ Persei	10	47 59.58	-0.29	-11.44	7 16 4.10	45.459	+ 7.3	64.1	3 47 . . .	. . .	. . .	. . .
41	α Tauri	11	30 20.18	-0.30	-11.41	22 32 5.18	46.775	+ 23.6	64.9	4 30 . . .	. . .	. . .	. . .
42	ι Aurigæ	11	50 37.78	-0.28	-11.42	5 50 3.30	47.644	+ 5.9	64.3	4 50 . . .	. . .	. . .	. . .
43	β Orionis	11	9 53.55	-0.34	-11.42	47 10 3.92	43.555	+ 1 1.0	65.1	5 9 . . .	. . .	. . .	. . .
44	α Ursæ Minoris s. p.	8	21 35.60	+ 2.83	- 9.77	307 38 3.00	47.700	- 1 14.6	[66.0]	1 21 . . .	. . .	. . .	. . .
45	η Bootis	11	50 7.61	-0.15	-11.71	19 56 6.08	48.148	+ 21.1	64.3	13 49 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
1 5 32	29.836	84.2	83.9	5, 30.	Bisections at I, VII.	5	+ 1.5	- 19.9	. . .	- 18.4
14 17	29.836	69.2	67.6	6, 29.	Bisections at II, VI.	6	+ 1.5	+ 20.0	. . .	+ 21.5
14 50	29.826	68.6	67.1	10, 17, 20, 28, 39.	Bisections at VI, VII.	11	+ 4.3	. . .	- 0.5	+ 3.8
0 5	29.846	73.2	72.1	16, 38.	Bisections at I, II.	14	+ 7.0	. . .	- 1.2	+ 5.8
0 40	29.844	75.2	73.9	19.	Bisections at I, II, VI.	16	+ 3.5	+ 15 51.9	. . .	+ 15 55.4
1 26	29.848	77.8	76.6	22, 44	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	17	+ 3.4	- 15 52.0	. . .	- 15 48.6
2 39	29.830	81.0	80.5	34.	Bisections at I, VI, VII.	27	+ 0.4	. . .	. . .	+ 0.4
3 35	29.818	83.8	83.1	37.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	29	+ 0.9	+ 8.8	. . .	+ 9.7
4 40	29.802	85.2	83.9			30	+ 0.9	- 8.8	. . .	- 7.9
5 22	29.778	84.5	83.1			34	+ 4.2	. . .	- 0.5	+ 3.7
5 55	29.764	85.2	84.7			38	+ 3.3	- 15 52.3	. . .	- 15 49.0
13 17	29.734	70.0	67.5			39	+ 3.4	+ 15 52.3	. . .	+ 15 55.7
14 45	29.740	67.5	65.2							
16 2	29.712	66.2	63.9							
16 27	29.700	65.2	62.9							
17 15	29.692	65.0	62.9							
18 13	29.688	64.8	63.3							
3 0 7	30.024	57.8	52.7							
0 38	30.030	59.0	54.7							
1 18	30.030	60.1	56.9							
2 47	30.006	63.0	60.9							
3 50	29.992	64.5	62.9							
4 35	29.982	66.7	63.1							
5 12	29.968	68.0	64.8							
13 27	29.946	56.5	53.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instrument.	Clock.								
1	Jupiter I, N.	6	9	43.43	- 0.18	-11.66	50 24 6.62	43.265	+ 1 9.9	64.0	14 9 31.59	+ 1.61	- 11 33 16.9	
2	Jupiter II, S.	5	9	46.66	- 0.18	-11.66	50 24 6.62	45.565	+ 1 10.0	64.0	14 9 34.82	- 1.62	- 11 34 1.0	
3	ρ Bootis	11	27	43.66	- 0.15	-11.63	8 2 7.82	46.644	+ 8.3	64.5	14 27 . . .			
4	ϵ Bootis	11	40	49.55	- 0.15	-11.62	11 20 5.38	49.340	+ 11.7	63.7	14 40 . . .			
5	α^2 Libræ	11	45	32.78	- 0.19	-11.69	54 28 6.22	43.709	+ 1 21.1	64.3	14 45 . . .			
6	κ Ophiuchi	11	53	8.13	- 0.16	-11.66	29 18 7.32	48.255	+ 32.8	64.0	16 52 . . .			
7	α^1 Herculis	11	10	17.33	- 0.15	-11.70	24 20 6.05	47.351	+ 26.4	63.3	17 10 . . .			
8	b Ophiuchi	8	20	27.71	- 0.20	-11.83	62 54 7.00	46.290	+ 1 53.6	64.0	17 20 . . .			
9	Saturn I, N.	6	29	19.32	- 0.20	-11.69	60 36 6.38	42.770	+ 1 43.2	64.0	17 29 7.43	+ 0.68	- 21 45 40.4	
10	Saturn II, S.	5	29	20.68	- 0.20	-11.69	60 36 6.38	43.845	+ 1 43.2	64.0	17 29 8.79	- 0.68	- 21 46 0.8	
11	μ Herculis	11	42	44.76	- 0.15	-11.56	11 4 5.90	46.759	+ 11.5	63.5	17 42 . . .			
May 8, Br.														
12	α Andromedæ	11	3	23.23	- 0.27	-11.91	10 20 0.22	42.761	+ 10.3	65.2	0 3 . . .			
13	Venus I, N.	6	58	19.73	- 0.26	-11.96	34 32 4.68	47.500	+ 38.5	66.3	0 58 7.51	+ 0.26	+ 4 17 57.4	
14	Venus II, S.	5	58	20.36	- 0.26	-11.96	34 32 4.68	48.180	+ 38.5	66.3	0 58 8.14	- 0.37	+ 4 17 44.4	
15	α Ursæ Minoris	4	21	50.30	- 0.64	-12.42	310 6 2.50	46.003	- 1 5.9	[64.2]	1 21 . . .			
16	α Arietis	11	1	41.88	- 0.26	-12.01	15 52 3.88	44.892	+ 15.9	65.3	2 1 . . .			
May 9, Br.														
17	Sun I.	11	4	33.26	- 0.26	-11.97	21 24 . . .				3 4 21.03	+ 66.71		
18	Sun II	8	6	46.67	- 0.26	-11.97					3 6 34.44	- 66.70		
19	α Tauri	11	30	20.69	- 0.26	-11.98	22 32 4.32	46.920	+ 23.0	66.3	4 30 . . .			
20	ι Aurigæ	11	50	38.32	- 0.28	-11.97	5 50 3.30	47.832	+ 5.7	67.3	4 50 . . .			
21	β Orionis	11	9	54.00	- 0.26	-11.98	47 10 0.80	43.855	+ 59.5	66.8	5 9 . . .			
22	β Tauri	11	20	7.90	- 0.27	-11.99	10 20 3.38	44.618	+ 10.1	66.3	5 19 . . .			
23	δ Orionis	11	27	3.92	- 0.28	-11.95	39 12 5.02	48.568	+ 45.1	67.1	5 26 . . .			
24	α Canum Venat.	11	51	33.84	- 0.26	-12.08	359 58 4.55	50.352	+ 0.1	65.5	12 51 . . .			
25	α Ursæ Minoris s. p.	8	21	36.69	+ 4.04	- 9.13	307 38 3.32	47.512	- 1 12.9	[64.9]	1 21 . . .			
26	Jupiter I, S.	6	7	23.17	- 0.33	-12.01	50 12 5.25	46.628	+ 1 8.0	65.5	14 7 10.83	+ 1.57	- 11 22 16.5	
27	Jupiter II, N.	5	7	26.30	- 0.33	-12.01	50 12 5.25	44.375	+ 1 8.0	65.5	14 7 13.96	- 1.56	- 11 21 33.4	
28	α Bootis	11	11	18.72	- 0.28	-11.98	19 7 52.25	48.092	+ 19.7	65.1	14 11 . . .			
29	ρ Bootis	11	27	44.15	- 0.28	-11.97	8 2 2.90	46.924	+ 8.1	65.9	14 27 . . .			
30	ϵ Bootis	11	40	50.06	- 0.28	-11.98	11 20 4.72	49.386	+ 11.5	64.8	14 40 . . .			
31	α^2 Libræ	11	45	33.34	- 0.34	-12.05	54 28 4.70	43.974	+ 1 19.4	66.1	14 45 . . .			
32	Uranus C, C.	11	19	50.63	- 0.35	-12.01	60 10 5.92	44.928	+ 1 39.6	65.5	16 19 38.27		- 21 20 16.1	
33	α Scorpii	11	23	29.11	- 0.37	-12.03	65 2 3.48	44.854	+ 2 2.5	64.0	16 23 . . .			
34	α^1 Herculis	11	10	17.84	- 0.29	-11.96	24 20 5.72	47.480	+ 25.9	65.8	17 10 . . .			
35	b Ophiuchi	11	20	28.19	- 0.36	-12.02	62 54 5.40	46.674	+ 1 51.4	66.0	17 20 . . .			
36	Saturn I, S.	6	28	12.53	- 0.35	-12.00	60 34 5.20	47.225	+ 1 41.1	65.5	17 28 0.18	+ 0.72	- 21 45 0.8	
37	Saturn II, N.	5	28	13.98	- 0.35	-12.00	60 34 5.20	46.230	+ 1 41.1	65.5	17 28 1.63	- 0.73	- 21 44 41.9	
38	μ Herculis	11	42	45.45	- 0.28	-12.01	11 4 1.58	47.062	+ 11.3	65.9	17 42 . . .			
May 9, See.														
39	Venus C, C.	10	2	46.39	- 0.28	-12.10	34 6 9.20	44.608	+ 38.4	67.4	1 2 34.01	- 0.07	+ 4 44 49.6	
40	α Ursæ Minoris	5	21	53.16	-13.27	- 7.92	310 6 11.38	45.586	- 1 6.8	[64.9]	1 21 . . .			
May 10, See.														
41	Sun I, N.	11	8	27.37	- 0.28	-12.10	20 52 6.28	49.882	+ 21.5	67.4	3 8 14.99	+ 66.77	+ 17 57 30.0	
42	Sun II, S.	11	10	40.91	- 0.28	-12.10	21 24 6.28	48.835	+ 22.0	67.4	3 10 28.53	- 66.77	+ 17 25 45.9	
43	α Tauri	11	30	20.78	- 0.28	-12.05	22 32 10.40	46.601	+ 23.2	66.4	4 30 . . .			
44	β Orionis	11	9	54.20	- 0.29	-12.15	47 10 9.50	43.444	+ 1 0.1	68.5	5 9 . . .			
45	β Tauri	11	20	7.95	- 0.28	-12.03	10 20 . . .			68.5	5 19 . . .			
46	ϵ Orionis	11	31	18.64	- 0.28	-12.13	40 6 8.55	46.889	+ 46.9	67.0	5 31 . . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
14 17	29.940	55.1	52.7	1, 9, 14, 27, 37.	Bisections at II, VI.	1	1.5	- 22.0	.	- 20.5
14 51	29.932	54.1	52.0	2, 10, 13, 26, 36.	Bisections at I, VII.	2	1.5	+ 22.1	.	+ 23.6
16 56	29.930	53.0	49.5	8, 28, 42.	Bisections at VI, VII.	9	0.9	- 10.2	.	- 9.3
17 41	29.926	52.5	49.4	15.	Bisections at C ₁ , C ₂ , C ₃ .	10	0.9	+ 10.2	.	+ 11.1
8 0 9	29.67	64.5	64.4	25.	Bisections at C ₃ , C ₄ , C ₂ , C ₁ .	13	3.8	- 6.7	.	- 2.9
1 31	29.71	67.5	66.9	40.	Bisections at C ₃ , C ₄ , C ₅ , D ₁ , D ₂ .	14	3.8	+ 6.7	- 0.4	+ 10.1
1 56	29.71	69.0	68.1	41.	Bisections at I, II.	26	1.5	+ 21.6	.	+ 23.1
9 3 6	29.70	71.9	70.3			27	1.5	- 21.5	.	- 20.0
4 32	29.71	73.5	72.5			32	0.4	.	.	+ 0.4
5 30	29.71	75.0	73.0			36	0.9	+ 9.5	.	+ 10.4
12 57	29.78	64.0	63.0			37	0.9	- 9.4	.	- 8.5
13 28	29.79	63.7	62.0			39	3.7	.	- 0.5	+ 3.2
14 50	29.80	61.5	60.0			41	3.1	- 15 52.0	.	- 15 48.9
16 26	29.82	58.5	56.3			42	3.2	+ 15 52.0	.	+ 15 55.2
17 12	29.83	59.0	57.9							
17 47	29.84	58.5	57.0							
1 8	29.968	67.2	64.7							
3 10	29.963	71.0	69.0							
4 40	29.965	74.2	71.7							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI. CROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	α Orionis	11	49 55.77	- 0.28	-12.15	31 28 7.22	43.632	+ 34.1	67.7	5 49 . . .	. . .		. . .
2	η Bootis	11	50 8.15	0.30	-12.10	19 56 7.52	48.104	+ 20.7	65.4	13 49 . . .	. . .		. . .
3	Jupiter I, S.	6	6 56.13	- 0.31	-12.10	50 10 7.68	45.578	+ 1 8.3	65.4	14 6 43.72	+ 1.42	- 11 19 59.2	. . .
4	Jupiter II, N.	5	6 58.96	- 0.31	-12.10	50 10 7.68	43.472	+ 1 8.2	65.4	14 6 46.55	- 1.41	- 11 19 18.8	. . .
May 11, L.													
5	Sun I, S.	8	12 22.00	- 0.32	-12.21	21 10 4.50	44.422	+ 21.5	66.3	3 12 9.47	+ 66.84	+ 17 41 15.4	. . .
6	Sun II, N.	4	14 35.68	- 0.32	-12.21	20 38 2.30	45.365	+ 20.9	66.3	3 14 23.15	- 66.84	+ 18 12 56.4	. . .
7	α Tauri	11	30 21.04	- 0.32	-12.27	22 32 4.55	46.901	+ 22.8	65.9	4 30 . . .	. . .		. . .
8	ι Aurigæ	11	50 38.60	- 0.34	-12.19	5 52 3.10	41.494	+ 5.7	65.4	4 50 . . .	. . .		. . .
9	β Orionis	11	9 54.32	- 0.32	-12.24	47 10 4.78	43.696	+ 59.0	67.6	5 9 . . .	. . .		. . .
10	β Tauri	8	20 8.20	- 0.33	-12.24	10 20 . . .	. . .	. . .	. . .	5 19 . . .	. . .		. . .
11	η Bootis	11	50 8.41	0.28	-12.38	19 56 6.15	48.148	+ 20.5	64.9	13 49 . . .	. . .		. . .
12	Jupiter I, N.	6	6 29.07	0.28	-12.38	50 8 6.88	42.705	+ 1 7.4	64.4	14 6 16.41	+ 1.59	- 11 17 3.5	. . .
13	Jupiter II, S.	5	6 32.26	- 0.28	-12.38	50 8 6.88	44.938	+ 1 7.5	64.4	14 6 19.60	- 1.60	- 11 17 46.3	. . .
14	α Bootis	11	11 19.10	0.28	-12.35	19 8 8.68	47.242	+ 19.6	63.9	14 11 . . .	. . .		. . .
15	ε Bootis	11	40 50.50	- 0.29	-12.40	11 20 6.28	49.238	+ 11.4	63.8	14 40 . . .	. . .		. . .
16	α Libræ	11	45 33.66	- 0.29	-12.40	54 28 6.95	43.834	+ 1 19.0	65.2	14 45 . . .	. . .		. . .
17	Uranus C, C.	11	19 31.25	- 0.29	-12.47	60 10 7.08	42.479	+ 1 38.3	64.4	16 19 18.49	. . .	- 21 19 30.1	. . .
18	α Scorpii	11	23 29.58	- 0.30	-12.53	65 2 5.65	44.859	+ 2 1.0	64.6	16 23 . . .	. . .		. . .
19	ζ Ophiuchi	11	31 52.04	0.28	-12.42	49 12 5.75	45.529	+ 1 5.5	64.5	16 31 . . .	. . .		. . .
20	κ Ophiuchi	11	53 9.15	0.28	-12.44	29 18 5.95	48.288	+ 31.8	63.4	16 52 . . .	. . .		. . .
21	δ Ophiuchi	11	20 28.67	- 0.30	-12.52	62 54 5.15	46.672	+ 1 50.3	64.6	17 20 . . .	. . .		. . .
22	Saturn I, N.	6	27 44.12	0.30	-12.49	60 34 5.18	44.945	+ 1 40.0	64.4	17 27 31.33	+ 0.72	- 21 44 17.3	. . .
23	Saturn II, S.	5	27 45.56	- 0.30	-12.49	60 34 5.18	46.010	+ 1 40.0	64.4	17 27 32.77	- 0.72	- 21 44 37.5	. . .
May 11, K.													
24	β Ceti	11	38 44.91	- 0.32	-12.32	57 22 7.70	45.412	+ 1 26.8	65.8	0 38 . . .	. . .		. . .
25	β Andromedæ	11	4 18.05	- 0.32	-12.25	3 46 7.00	45.498	+ 3.7	66.6	1 4 . . .	. . .		. . .
26	Venus I, N.	6	11 39.52	- 0.30	-12.29	33 12 9.40	45.042	+ 36.4	66.6	1 11 26.93	+ 0.34	+ 5 38 42.3	. . .
27	Venus II, S.	5	11 40.32	- 0.30	-12.29	33 12 9.40	45.670	+ 36.4	66.6	1 11 27.73	- 0.46	+ 5 38 30.2	. . .
28	α Ursæ Minoris	6	21 53.33	- 6.04	[-13.88]	310 6 5.52	45.963	- 1 5.6	[65.9]	1 21 . . .	. . .		. . .
29	η Piscium	8	26 18.26	- 0.30	-12.28	24 2 11.30	42.642	+ 24.8	66.0	1 26 . . .	. . .		. . .
30	β Arietis	8	49 17.12	- 0.30	-12.29	18 32 3.82	45.472	+ 18.6	66.9	1 49 . . .	. . .		. . .
May 12, K.													
31	Sun I, S.	10	16 17.09	- 0.30	-12.28	20 54 4.60	47.132	+ 21.1	66.6	3 16 4.51	+ 67.00	+ 17 56 24.0	. . .
32	Sun II, N.	11	18 31.09	- 0.30	-12.28	20 22 8.75	47.625	+ 20.5	66.6	3 18 18.51	- 67.00	+ 18 28 7.3	. . .
33	β Tauri	11	20 8.20	0.31	-12.26	10 20 6.45	44.474	+ 10.0	66.3	5 19 . . .	. . .		. . .
34	δ Orionis	9	27 4.31	- 0.30	-12.31	39 12 8.15	48.394	+ 44.6	66.7	5 26 . . .	. . .		. . .
35	ε Orionis	11	31 18.83	- 0.30	-12.31	40 6 6.72	47.061	+ 46.0	67.7	5 31 . . .	. . .		. . .
36	Moon I	11	50 22.75	- 0.31	-12.28	15 30 . . .	. . .	. . .	. . .	5 50 10.16	+ 68.30		. . .
37	μ Geminorum	11	17 4.96	- 0.30	-12.24	16 16 5.75	48.756	+ 16.0	66.8	6 16 . . .	. . .		. . .
38	α Ursæ Minoris S. P.	3	21 41.00	5.80	[-13.05]	307 38 7.08	47.310	- 1 11.9	[67.3]	1 21 . . .	. . .		. . .
May 13, B.													
39	ζ Virginis	11	29 48.60	0.36	-12.27	38 56 4.62	44.206	+ 45.3	68.6	13 29 . . .	. . .		. . .
40	η Bootis	11	50 8.32	- 0.36	-12.21	19 56 6.60	48.205	+ 20.5	66.7	13 49 . . .	. . .		. . .
41	Jupiter I, S.	5	5 35.78	- 0.37	-12.22	50 2 6.02	50.085	+ 1 7.2	67.6	14 5 23.19	+ 1.57	- 11 13 20.7	. . .
42	Jupiter II, N.	6	5 38.92	- 0.37	-12.22	50 2 6.02	47.902	+ 1 7.2	67.6	14 5 26.33	- 1.57	- 11 12 38.9	. . .
43	ε Bootis	11	40 50.35	0.36	-12.17	11 22 3.50	43.295	+ 11.4	67.5	14 40 . . .	. . .		. . .
44	α Libræ	11	45 33.60	0.38	-12.24	54 28 4.95	44.034	+ 1 19.4	67.5	14 45 . . .	. . .		. . .
45	Uranus C, C.	11	19 10.98	0.39	-12.20	60 8 4.68	46.500	+ 1 39.0	66.0	16 18 58.39	. . .	- 21 18 43.9	. . .
46	α Scorpii	11	23 29.42	0.40	-12.24	65 2 3.18	45.076	+ 2 1.9	67.2	16 23 . . .	. . .		. . .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
10	5	55	29.942	75.2	73.1	3, 13, 23, 27, 41.	Bisections at I, VII.	3	+	1.5	+	21.7
13	35	29.878	62.9	60.5		4, 12, 22, 26, 42.	Bisections at II, VI.	4	+	1.5	-	18.7
14	15	29.878	62.0	59.9		5, 31.	Bisections at I, II.	5	+	3.1	+15	53.6
11	3	14	29.63	67.5	68.9	6, 29, 30, 32.	Bisections at VI, VII.	6	+	3.1	-15	47.4
	4	33	29.64	73.0	74.3	28.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	12	+	1.5	-	19.9
	5	13	29.64	76.6	76.0	38.	Bisections at C ₃ , C ₄ , C ₅ .	13	+	1.5	+	22.9
	13	54	29.77	64.0	63.9			17	+	0.4	.	0.4
	14	50	29.77	63.0	61.6			22	+	0.9	-	9.2
	16	15	29.76	62.0	62.0			23	+	0.9	+	11.0
	17	25	29.77	61.7	61.6			26	+	3.7	-	2.5
	0	40	29.84	70.8	70.8			27	+	3.7	+	9.6
	1	28	29.84	72.8	72.4			31	+	3.1	+15	54.7
	1	54	29.83	73.8	73.6			32	+	3.0	-15	48.6
12	3	18	29.81	76.7	76.0			41	+	1.5	+	22.4
	5	17	29.79	80.9	79.7			42	+	1.5	-	19.4
	6	14	29.77	81.4	80.1			45	+	0.4	.	0.4
	13	27	29.74	69.7	68.0							
13	13	25	29.82	67.0	66.7							
	14	12	29.84	65.2	64.7							
	14	48	29.86	63.8	62.7							
	16	12	29.87	61.0	59.9							
	16	28	29.87	61.0	59.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instru- ment.	Clock.								
1	κ Ophiuchi	11	53	8.99	- 0.36	-12.16	29 18 3.72	48.469	+ 32.1	65.2	16 52	s		
2	α^1 Herculis	11	10	18.18	- 0.36	-12.16	24 20 8.10	47.305	+ 25.9	65.6	17 10			
3	δ Ophiuchi	11	20	28.49	- 0.40	-12.19	62 54 5.62	46.658	+ I 51.5	66.0	17 20			
4	Saturn I, S.	5	27	14.04	- 0.39	-12.18	60 34 4.28	44.788	+ I 41.2	66.0	17 27 1.47	+ 0.67	- 21 44 12.8	
5	Saturn II, N. . . .	6	27	15.37	- 0.39	-12.18	60 34 4.28	43.725	+ I 41.2	66.0	17 27 2.80	- 0.66	- 21 43 52.6	
	May 14, S.													
6	γ Geminorum . . .	11	32	6.52	- 0.25	-12.26	22 22 5.20	44.736	+ 23.1	66.3	6 31			
7	δ Geminorum . . .	11	14	19.55	- 0.24	-12.19	16 40 3.40	48.342	+ 16.8	65.4	7 14			
8	α^2 Geminorum . . .	11	28	23.63	- 0.24	-12.23	6 44 3.50	47.168	+ 6.7	66.2	7 28			
9	Moon I, N.	11	36	54.55	- 0.26	-12.24	19 22 5.60	46.134	+ 19.8	66.0	7 36 42.05	+ 65.24	+ 19 25 25.3	
10	ϵ Hydræ	11	41	40.00	- 0.25	-12.22	32 4 3.88	43.899	+ 35.0	66.2	8 41			
11	α Hydræ	11	22	51.94	- 0.27	-12.30	47 4 4.90	44.790	+ I 0.0	65.9	9 22			
	May 14, La.													
12	β Andromedæ . . .	11	4	18.08	- 0.27	-12.25	3 46 3.02	45.645	+ 3.8	65.5	1 4			
13	α Ursæ Minoris . .	6	21	51.18	- 0.96	-10.86	310 6 . . .	. . .	. . .	. . .	1 21			
14	Venus II, C. . . .	7	25	3.69	- 0.27	-12.26	31 52 6.70	45.445	+ 35.4	66.1	1 24 51.16	- 0.43	+ 6 58 37.7	
	May 15, La.													
15	Sun I, N.	11	28	5.73	- 0.27	-12.32	19 38 5.60	48.985	+ 20.2	66.1	3 27 53.14	+ 67.26	+ 19 11 47.8	
16	Sun II, S.	11	30	20.25	- 0.27	-12.32	20 10 6.55	47.680	+ 20.8	66.1	3 30 7.66	- 67.26	+ 18 40 7.7	
17	α Tauri	11	30	21.18	- 0.27	-12.45	22 32 5.38	46.866	+ 23.4	66.8	4 30			
18	β Orionis	11	9	54.42	- 0.28	-12.39	47 10 . . .	. . .	. . .	. . .	5 9			
19	β Tauri	9	20	8.19	- 0.27	-12.28	10 20 5.65	44.472	+ 10.3	66.0	5 19			
20	α Orionis	11	49	55.93	- 0.27	-12.35	31 28 7.45	43.549	+ 34.3	66.8	5 49			
21	α^2 Geminorum . . .	10	28	23.73	- 0.27	-12.31	6 44 6.50	46.925	+ 6.7	65.9	7 28			
22	α Canis Minoris . .	11	34	15.02	- 0.27	-12.33	33 22 7.68	44.529	+ 36.8	65.3	7 34			
23	β Geminorum . . .	11	39	22.48	- 0.27	-12.26	10 34 5.78	48.171	+ 10.5	65.9	7 39			
24	Moon I	11	26	25.25	- 0.27	-12.28	23 12 . . .	. . .	. . .	. . .	8 26 12.70	+ 63.71		
25	ϵ Hydræ	10	41	40.04	- 0.27	-12.25	32 2 7.08	50.005	+ 34.9	66.4	8 41			
26	α Ursæ Minoris S. P.	11	21	45.18	+ 3.05	-12.59	307 38 4.92	47.365	- I 13.5	[65.2]	1 21			
27	η Bootis	11	50	8.20	- 0.33	-12.12	19 56 6.00	48.082	+ 20.7	64.3	13 49			
28	Jupiter I, S. . . .	6	4	43.97	- 0.38	-12.17	49 58 7.98	49.072	+ I 7.9	65.2	14 4 31.42	+ 1.60	- 11 9 6.4	
29	Jupiter II, N. . . .	5	4	47.18	- 0.38	-12.17	49 58 7.98	46.918	+ I 7.9	65.2	14 4 34.63	- 1.61	- 11 8 25.0	
30	ρ Bootis	11	27	44.40	- 0.32	-12.18	8 2 7.78	46.570	+ 8.1	65.4	14 27			
31	ϵ Bootis	11	40	50.35	- 0.32	-12.21	11 22 5.22	43.084	+ 11.5	65.7	14 40			
32	α^2 Libræ	11	45	33.71	- 0.39	-12.32	54 28 4.48	43.949	+ I 19.8	65.7	14 45			
33	Uranus C, C. . . .	11	18	50.70	- 0.41	-12.21	60 8 7.38	43.751	+ I 39.5	65.2	16 18 38.08		- 21 17 55.2	
34	κ Ophiuchi	11	53	9.01	- 0.34	-12.18	29 18 8.42	48.185	+ 32.2	65.0	16 52			
35	α^1 Herculis	11	10	18.16	- 0.33	-12.13	24 20 6.42	47.352	+ 25.9	65.2	17 10			
36	δ Ophiuchi	11	20	28.64	- 0.42	-12.28	62 54 4.85	46.635	+ I 51.4	65.3	17 20			
37	Saturn I, S.	6	26	43.02	- 0.41	-12.23	60 32 5.92	49.522	+ I 41.0	65.2	17 26 30.38	+ 0.71	- 21 43 46.0	
38	Saturn II, N. . . .	5	26	44.44	- 0.41	-12.23	60 32 5.92	48.505	+ I 41.0	65.2	17 26 31.80	- 0.71	- 21 43 26.3	
39	α Ophiuchi	11	30	30.44	- 0.34	-12.19	26 12 6.00	48.182	+ 28.2	65.0	17 30			
	May 15, Ei.													
40	Venus I, C.	6	29	31.90	- 0.38	-12.20	31 26 4.35	44.249	+ 34.0	67.6	1 29 19.32	+ 0.27	+ 7 25 5.9	
41	Venus II	5	29	32.54	- 0.38	-12.20					1 29 19.96	- 0.37		
42	Mercury II, C. . . .	11	58	2.39	- 0.38	-12.21	30 8 3.05	47.131	+ 32.3	67.6	1 57 49.80	- 0.24	+ 8 42 13.6	
43	α Arietis	11	1	42.33	- 0.39	-12.20	15 52 2.70	44.998	+ 15.8	66.8	2 1			
44	α Ceti	9	57	13.43	- 0.38	-12.23	35 10 3.58	42.139	+ 38.9	67.2	2 57			
	May 16, Ei.													
45	Sun I, S.	11	32	3.29	- 0.39	-12.23	19 56 1.80	48.420	+ 20.0	67.6	3 31 50.67	+ 67.23	+ 18 54 4.2	

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	itu.	°	°				' "	' "	"	' "
13 16 59	29.89	60.0	58.4	4, 29, 38.	Bisections at I, VII.	4	+ 0.9	+ 10.1	.	+ 11.0
17 33	29.90	58.8	57.9	5, 28, 37.	Bisections at II, VI.	5	+ 0.9	- 10.1	.	- 9.2
14 7 6	29.98	70.0	68.8	9.	Bisections at II, III, IV, V, VI. Z. D. thread	9	+ 17 58.0	- 14 51.3	.	+ 3 6.7
8 25	29.965	70.0	72.0		A used.	14	+ 3.5	. . .	- 0.4	+ 3.1
9 27	29.95	70.0	71.1	15, 45.	Bisections at I, II.	15	+ 2.9	- 15 50.0	.	- 15 47.1
1 7	30.030	66.8	63.3	16, 21.	Bisections at VI, VII.	16	+ 3.0	+ 15 50.0	.	+ 15 53.0
2 56	30.025	68.9	66.0	19.	Bisections at I, VI, VII.	28	+ 1.5	+ 20.7	.	+ 22.2
3 30	30.02	69.5	67.0	26.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	29	+ 1.5	- 20.7	.	- 19.2
4 34	30.010	71.0	67.6	36, 43.	Bisections at II, VI, VII.	33	+ 0.4	. . .	.	+ 0.4
5 54	29.980	73.0	69.7			37	+ 0.9	+ 9.8	.	+ 10.7
7 29	29.980	72.6	72.2			38	+ 0.9	- 9.9	.	- 9.0
8 38	29.965	72.8	73.1			40	+ 3.4	. . .	- 0.4	+ 3.0
13 27	29.955	63.2	60.8			42	+ 4.8	. . .	- 0.7	+ 4.1
14 50	29.950	61.4	60.0			45	+ 3.0	+ 15 49.6	.	+ 15 52.6
16 23	29.935	60.0	58.2							
16 58	29.930	59.6	58.7							
17 35	29.925	59.4	59.1							
0 59	29.905	71.3	70.9							
1 52	29.90	74.0	73.4							
3 1	29.86	76.2	76.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.				CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instrument.	Clock.									
			m s	s	s	° ' "		rev.	' "	"	h m s	s	° ' "	"
1	Sun II, N.	11	34 17.76	-0.39	-12.23	19 24 1.15	49.368	+	19.4	67.6	3 34 5.14	-67.24	19 25 43.6	..
2	α Tauri	11	30 21.14	-0.38	-12.28	22 32 3.42	47.013	+	22.8	67.7	4 30 . .	..	..	..
3	ι Aurigæ	9	50 38.72	-0.41	-12.22	5 50 2.80	47.948	+	5.7	68.1	4 50 . .	..	..	..
4	β Orionis	11	9 54.40	-0.38	-12.27	47 10 2.98	43.832	+	58.8	68.9	5 9 . .	..	..	..
5	β Tauri	11	20 8.25	-0.40	-12.21	10 20 2.08	44.759	+	10.0	67.2	5 19 . .	..	..	..
6	Jupiter I, S.	5	4 18.78	-0.37	-12.28	49 56 5.02	49.220	+	1 6.4	68.3	14 4 6.13	+1.49	11 7 1.6	..
7	Jupiter II, N.	6	4 21.75	-0.37	-12.28	49 56 5.02	47.000	+	1 6.4	68.3	14 4 9.10	-1.48	11 6 19.1	..
8	β Libræ	11	11 50.41	-0.37	-12.22	47 52 5.75	42.612	+	1 1.5	67.7	15 11 . .	..	..	..
9	ε Serpentis.	11	46 2.82	-0.35	-12.22	34 4 5.82	45.248	+	37.7	68.3	15 45 . .	..	..	..
10	β' Scorpii	10	59 50.40	-0.38	-12.43	58 22 4.22	44.508	+	1 30.1	68.5	15 59 . .	..	..	..
11	α Scorpii	11	23 29.49	-0.40	-12.26	65 2 5.00	45.216	+	1 59.0	68.7	16 23 . .	..	..	..
May 18, K.														
12	β Andromedæ	11	4 18.08	-0.26	12.15	3 46 8.48	45.329	+	3.8	64.9	1 4 . .	..	..	..
13	α Ursæ Minoris	7	21 53.37	-2.53	[-13.08]	310 6 6.42	45.982	-	1 7.3	[64.2]	1 21 . .	..	..	..
14	Venus I, S.	6	43 1.92	-0.29	-12.17	30 6 8.12	38.770	+	33.1	65.1	1 42 49.46	+0.30	8 43 29.8	..
15	Venus II, N.	5	43 2.62	-0.29	-12.17	30 6 8.12	38.120	+	33.1	65.1	1 42 50.16	-0.40	8 43 42.3	..
16	α Arietis	11	1 42.26	-0.27	-12.19	15 52 9.90	44.528	+	16.2	64.9	2 1 . .	..	..	..
17	Mercury II, C.	11	13 0.94	-0.28	-12.17	28 36 7.10	49.401	+	31.1	65.1	2 12 48.49	-0.23	10 13 24.7	..
May 19, K.														
18	Sun I, S.	10	43 58.29	-0.27	-12.17	19 16 3.20	48.862	+	19.9	65.1	3 43 45.85	+67.53	19 33 51.8	..
19	Sun II, N.	11	46 13.34	-0.27	-12.17	18 44 2.88	49.805	+	19.3	65.1	3 46 0.90	-67.52	20 5 31.1	..
20	β Orionis	11	9 54.26	-0.32	-12.19	47 10 6.95	43.300	+	1 0.9	65.2	5 9 . .	..	..	..
21	β Tauri	11	20 8.05	-0.27	-12.14	10 20 9.75	44.242	+	10.4	65.2	5 19 . .	..	..	..
22	δ Orionis	8	27 4.21	-0.30	-12.22	39 12 5.25	48.351	+	46.1	65.1	5 26 . .	..	..	..
23	ε Orionis	5	31 18.66	-0.30	-12.16	40 6 . .	..	..	..	..	5 31 . .	..	..	..
24	α Ursæ Minoris s. p.	8	21 48.84	+1.08	[-11.84]	307 38 7.22	47.310	-	1 14.2	[66.8]	1 21 . .	..	..	..
25	ζ Virginis	11	29 48.46	-0.25	-12.25	38 56 6.68	43.898	+	46.5	66.3	13 29 . .	..	..	..
26	η Bootis	11	50 8.25	-0.22	-12.29	19 56 3.38	48.145	+	21.0	63.9	13 49 . .	..	..	..
27	Jupiter I, S.	6	3 5.08	-0.28	-12.28	49 50 3.72	49.025	+	1 8.3	63.8	14 2 52.52	+1.59	11 1 2.9	..
28	Jupiter II, N.	5	3 8.26	-0.28	-12.28	49 50 3.72	46.798	+	1 8.3	63.8	14 2 55.70	-1.59	11 0 20.3	..
29	α Bootis	11	11 18.98	-0.22	-12.30	19 8 2.18	47.490	+	20.1	64.0	14 11 . .	..	..	..
30	δ Ophiuchi	11	9 19.26	-0.26	-12.33	42 16 4.05	47.282	+	52.7	64.0	16 9 . .	..	..	..
31	Uranus C, C.	11	18 9.65	-0.31	-12.32	60 6 2.08	45.050	+	1 40.5	63.8	16 17 57.02	..	21 16 17.2	..
32	α Scorpii	11	23 29.61	-0.32	-12.41	65 2 6.55	44.640	+	2 3.9	64.0	16 23 . .	..	..	..
33	ζ Ophiuchi	11	31 52.07	-0.28	-12.33	49 12 5.60	45.362	+	1 7.1	63.2	16 31 . .	..	..	..
34	α' Herculis	11	10 18.33	-0.23	-12.33	24 20 6.18	47.172	+	26.3	62.7	17 10 . .	..	..	..
35	δ Ophiuchi	11	20 28.71	-0.32	-12.36	62 54 4.80	46.466	+	1 53.0	63.0	17 20 . .	..	..	..
36	Saturn I, S.	6	25 38.35	-0.31	-12.33	60 32 4.82	46.645	+	1 42.4	63.8	17 25 25.71	+0.69	21 42 52.3	..
37	Saturn II, N.	5	25 39.72	-0.31	-12.33	60 32 4.82	45.615	+	1 42.4	63.8	17 25 27.08	-0.68	21 42 32.8	..
38	α Ophiuchi	11	30 30.41	-0.23	-12.19	26 12 4.45	48.098	+	28.6	63.1	17 30 . .	..	..	..
May 19, B.														
39	β Andromedæ	11	4 18.21	-0.23	-12.29	3 46 3.78	45.514	+	3.8	63.8	1 4 . .	..	..	..
40	α Ursæ Minoris.	11	21 52.27	-1.85	[-11.98]	310 6 2.25	46.187	-	1 7.4	[63.4]	1 21 . .	..	..	..
41	Venus I, C.	6	47 33.23	-0.25	-12.30	29 42 6.10	42.929	+	32.5	65.0	1 47 20.68	+0.38	9 9 28.3	..
42	Venus II.	5	47 34.12	-0.25	-12.30	..	..	..	..	..	1 47 21.57	-0.51	..	..
May 20, B.														
43	Sun I, N.	11	47 57.90	-0.24	-12.33	18 32 3.52	48.098	+	19.0	65.0	3 47 45.33	+67.59	20 18 7.0	..
44	Sun II, S.	11	50 13.09	-0.24	-12.33	19 4 3.12	46.815	+	19.6	65.0	3 50 0.52	-67.60	19 46 27.8	..
45	β Orionis	11	9 54.41	-0.28	-12.38	47 10 11.35	43.100	+	1 0.9	65.6	5 9 . .	..	..	..
46	δ Orionis	11	27 4.32	-0.27	-12.36	39 12 7.50	48.270	+	46.1	65.9	5 26 . .	..	..	..
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.			
d	h m	in.	°	°				' "	' "	"	' "			
16	3 34	29.84	77.5	77.0	1, 10, 19, 44.	Bisections at VI, VII.	1	+	2.9	-15 49.7	-15 46.8			
	4 25	29.82	78.5	78.0	2.	Bisections at II, VI, VII.	6	+	1.5	+ 21.3	+ 22.8			
	5 25	29.795	81.5	80.5	3.	Bisections at I, II, VII.	7	+	1.5	+ 21.2	- 19.7			
14	31	29.67	68.0	66.0	6, 14, 27, 36.	Bisections at I, VI.	14	+	3.3	+ 6.4	+ 9.4			
15	30	29.675	68.0	67.8	7, 15, 28, 37.	Bisections at II, VI.	15	+	3.3	+ 6.4	+ 3.1			
16	32	29.68	68.2	68.0	13.	Bisections at B, C, C ₂ , C ₃ , C ₄ .	17	+	4.3	- 0.5	+ 3.8			
18	1 1	29.80	59.5	57.8	14, 15.	Z. D. thread A used.	18	+	2.9	+ 15 49.6	+ 15 52.5			
	2 8	29.81	60.6	59.0	18, 43.	Bisections at I, II.	19	+	2.8	- 15 49.6	- 15 46.8			
19	3 46	29.80	63.0	60.2	24, 40.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .	27	+	1.5	+ 21.3	+ 22.8			
	5 7	29.77	63.4	62.0	45.	Bisections at I, VI.	28	+	1.5	- 21.3	- 19.8			
	5 33	29.77	65.4	62.3			31	+	0.4	..	+ 0.4			
	13 17	29.81	56.4	54.1			36	+	0.9	+ 9.8	+ 10.7			
	14 13	29.79	54.3	52.3			37	+	0.9	- 9.7	- 8.8			
	16 7	29.80	52.2	50.4			41	+	3.2	..	+ 2.8			
	17 8	29.78	51.3	50.0			43	+	2.8	- 15 49.6	- 15 46.8			
	17 32	29.78	51.0	49.2			44	+	2.8	+ 15 49.6	+ 15 52.4			
	1 7	29.80	59.3	57.6										
	2 3	29.79	61.2	59.1										
20	3 50	29.755	62.2	61.6										
	5 12	29.77	64.2	62.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	u Geminorum . . .	11	17 4.96	-0.24	-12.34	16 16 10.08	48.396	+ 16.5	64.5	6 16 . . .	. . .	. . .	. . .
2	γ Geminorum . . .	11	32 6.57	-0.24	-12.35	22 22 10.60	44.310	+ 23.2	65.1	6 31 . . .	. . .	. . .	. . .
3	γ Corvi . . .	11	10 52.33	-0.29	-12.49	55 48 5.32	48.769	+ 24.0	64.3	12 10 . . .	. . .	. . .	. . .
4	η Virginis . . .	11	14 59.81	-0.26	-12.35	38 56 7.62	48.672	+ 46.2	63.9	12 14 . . .	. . .	. . .	. . .
5	Moon I, N. . .	11	18 45.76	-0.28	-12.43	47 2 6.08	42.035	+ 1.3	64.3	12 18 33.05	+63.82	- 8 10 43.9	. . .
6	θ Virginis . . .	11	4 59.06	-0.27	-12.47	43 50 8.02	47.194	+ 55.1	64.7	13 4 . . .	. . .	. . .	. . .
7	Ursæ Minoris S. P. .	9	21 47.40	+ 4.23	[-12.82]	307 38 4.75	47.328	- 14.0	[65.0]	1 21 . . .	. . .	. . .	. . .
8	ζ Virginis . . .	11	29 48.65	-0.26	-12.43	38 56 7.40	43.846	+ 46.4	66.0	13 29 . . .	. . .	. . .	. . .
9	Jupiter I, N. . .	6	2 41.68	-0.28	-12.46	49 48 3.75	47.030	+ 1 8.0	64.3	14 2 28.94	+ 1.53	- 10 58 24.0	. . .
10	Jupiter II, S. . .	5	2 44.74	-0.28	-12.46	49 48 3.75	49.242	+ 1 8.0	64.3	14 2 32.00	- 1.53	- 10 59 6.3	. . .
11	Uranus C, C. . .	11	17 59.33	-0.30	-12.50	60 6 7.02	43.572	+ 1 40.3	64.3	16 17 46.53	. . .	- 21 15 53.1	. . .
12	α Scorpii . . .	11	23 29.75	-0.31	-12.54	65 2 7.35	44.660	+ 2 3.7	64.8	16 23 . . .	. . .	. . .	. . .
13	ζ Ophiuchi . . .	11	31 52.27	-0.28	-12.51	49 12 7.08	45.354	+ 1 7.0	64.4	16 31 . . .	. . .	. . .	. . .
14	α ¹ Herculis . . .	11	10 18.47	-0.25	-12.44	24 20 8.80	47.080	+ 26.3	63.7	17 10 . . .	. . .	. . .	. . .
15	β Ophiuchi . . .	11	20 28.91	-0.30	-12.56	62 54 8.18	46.282	+ 1 52.9	62.7	17 20 . . .	. . .	. . .	. . .
16	Saturn I, N. . .	5	25 21.72	-0.30	-12.52	60 32 5.35	44.955	+ 1 42.3	64.3	17 25 8.90	+ 0.72	- 21 42 20.0	. . .
17	Saturn II, S. . .	6	25 23.17	-0.30	-12.52	60 32 5.35	45.925	+ 1 42.4	64.3	17 25 10.35	- 0.73	- 21 42 38.6	. . .
	May 21, S. . .												
18	β Corvi . . .	11	29 21.05	-0.33	-12.86	61 40 5.78	45.836	+ 1 46.1	63.6	12 29 . . .	. . .	. . .	. . .
19	θ Virginis . . .	11	4 59.45	-0.30	-12.83	43 50 5.48	47.305	+ 55.1	64.3	13 4 . . .	. . .	. . .	. . .
20	Moon I, N. . .	11	8 50.36	-0.32	-12.83	52 0 9.82	42.220	+ 1 13.4	64.3	13 8 37.21	+65.84	- 13 9 3.3	. . .
21	α Virginis . . .	11	20 8.61	-0.31	-12.78	49 28 4.78	46.960	+ 1 7.1	64.5	13 19 . . .	. . .	. . .	. . .
22	ζ Virginis . . .	11	29 49.10	-0.29	-12.85	38 56 5.10	43.908	+ 46.4	64.9	13 29 . . .	. . .	. . .	. . .
	May 22, I, a. . .												
23	ζ Ophiuchi . . .	11	31 52.92	-0.31	-13.11	49 12 5.62	45.402	+ 1 7.5	64.6	16 31 . . .	. . .	. . .	. . .
24	κ Ophiuchi . . .	11	53 10.00	-0.27	-13.13	29 18 5.10	48.154	+ 32.8	62.9	16 52 . . .	. . .	. . .	. . .
25	β Ophiuchi . . .	11	20 29.58	-0.35	-13.14	62 54 5.30	46.420	+ 1 53.6	63.5	17 20 . . .	. . .	. . .	. . .
26	Saturn I, N. . .	6	24 48.35	-0.34	-13.13	60 32 5.20	43.408	+ 1 42.8	63.4	17 24 34.88	+ 0.72	- 21 41 51.6	. . .
27	Saturn II, S. . .	5	24 49.80	-0.34	-13.13	60 32 5.20	44.400	+ 1 42.9	63.4	17 24 36.33	- 0.73	- 21 42 12.4	. . .
28	α Ophiuchi . . .	11	30 31.42	-0.27	-13.11	26 12 2.30	48.150	+ 28.7	62.5	17 30 . . .	. . .	. . .	. . .
	May 22, Br. . .												
29	Venus I, N. . .	6	1 12.62	-0.20	-13.38	28 24 6.00	47.422	+ 31.0	64.7	2 0 59.04	+ 0.32	+ 10 26 3.4	. . .
30	Venus II, S. . .	5	1 13.36	-0.20	-13.38	28 24 6.00	47.955	+ 31.0	64.7	2 0 59.78	- 0.42	+ 10 25 53.3	. . .
	May 23, Br. . .												
31	Sun I, N. . .	11	0 0.51	-0.21	-13.42	17 56 9.30	48.578	+ 18.5	64.7	3 59 46.88	+67.78	+ 20 53 52.2	. . .
32	Sun II, S. . .	11	2 16.08	-0.21	-13.42	18 27 54.60	47.945	+ 19.1	64.7	4 2 2.45	-67.79	+ 20 22 14.9	. . .
33	α Tauri . . .	5	30 22.18	-0.20	-13.46	22 32 5.38	46.582	+ 23.7	63.3	4 30 . . .	. . .	. . .	. . .
34	α Orionis . . .	11	49 56.99	-0.20	-13.49	31 28 5.08	43.569	+ 34.8	65.8	5 49 . . .	. . .	. . .	. . .
35	γ Geminorum . . .	11	32 7.56	-0.20	-13.38	22 22 5.30	44.641	+ 23.4	64.9	6 31 . . .	. . .	. . .	. . .
36	η Bootis . . .	11	50 9.51	-0.19	-13.60	19 56 5.85	47.976	+ 21.1	63.8	13 49 . . .	. . .	. . .	. . .
37	Jupiter I, S. . .	6	1 34.40	-0.21	-13.58	49 44 5.82	44.365	+ 1 8.5	63.5	14 1 20.61	+ 1.52	- 10 53 36.2	. . .
38	Jupiter II, N. . .	5	1 37.44	-0.21	-13.58	49 44 5.82	42.130	+ 1 8.5	63.5	14 1 23.65	- 1.52	- 10 52 53.4	. . .
39	α Bootis . . .	11	11 20.17	-0.19	-13.52	19 8 6.28	47.181	+ 20.2	62.9	14 11 . . .	. . .	. . .	. . .
40	ε Bootis . . .	11	40 51.63	-0.20	-13.61	11 22 5.52	42.866	+ 11.7	63.8	14 40 . . .	. . .	. . .	. . .
41	α ² Libræ . . .	11	45 34.87	-0.21	-13.62	54 28 5.62	43.685	+ 1 21.3	63.3	14 45 . . .	. . .	. . .	. . .
42	Moon I, N. . .	11	0 17.65	-0.23	-13.60	60 6 7.72	46.543	+ 1 41.0	63.5	15 0 3.82	+70.97	- 21 16 54.5	. . .
43	Moon S. . .					60 38 7.80	47.122	+ 1 43.3	63.5	. . .	. . .	- 21 49 3.6	. . .
44	Uranus C, C. . .	11	17 29.06	-0.22	-13.63	60 4 6.25	45.882	+ 1 41.1	63.5	16 17 15.21	. . .	- 21 14 38.2	. . .
45	α Scorpii . . .	11	23 30.81	-0.23	-13.64	65 2 2.55	44.801	+ 2 4.8	63.7	16 23 . . .	. . .	. . .	. . .
46	κ Ophiuchi . . .	11	53 10.43	-0.19	-13.62	29 18 6.65	48.095	+ 32.8	63.5	16 52 . . .	. . .	. . .	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
20	5 59	29.77	66.0	63.9	2, 32, 33.	5	+40 51.1	-15 17.6	.	+25 33.5
	6 36	29.76	64.8	63.3		9	+ 1.5	- 21.1	.	+ 19.6
12	7	29.79	59.0	57.2	5.	10	+ 1.5	+ 21.2	.	+ 22.7
13	8	29.80	58.2	56.9	7.	11	+ 0.4	.	.	+ 0.4
13	35	29.81	55.6	55.5	9, 16, 26, 30, 38.	16	+ 0.9	- 9.3	.	+ 8.4
14	7	29.81	55.6	54.2	10, 17, 29, 37.	17	+ 0.9	+ 9.3	.	+ 10.2
16	10	29.80	53.0	51.9	20.	20	+44 36.7	-15 30.1	.	+29 6.6
16	37	29.81	52.3	50.9	25.	26	+ 0.9	- 10.4	.	+ 9.5
17	34	29.80	51.4	50.1	27.	27	+ 0.9	+ 10.4	.	+ 11.3
21	12 25	29.87	57.6	56.4	31.	29	+ 3.0	- 5.2	.	+ 2.2
22	16 36	29.915	52.0	49.4	42.	30	+ 3.0	+ 5.2	- 0.3	+ 7.9
17	34	29.90	51.0	49.1	43.	31	+ 2.7	-15 48.6	.	-15 45.9
23	2 4	30.02	63.5	60.5		32	+ 2.8	+15 48.6	.	+15 51.4
	4 2	30.015	64.3	62.2		37	+ 1.5	+ 21.4	.	+ 22.9
	4 33	30.02	64.5	62.9		38	+ 1.5	- 21.4	.	- 19.9
	5 51	30.02	64.1	62.7		42	+50 29.1	-15 56.4	.	+34 32.7
	6 28	30.01	65.9	63.9		43	+50 45.5	+15 56.4	- 0.1	+66 41.8
13	45	30.06	55.2	53.4		44	+ 0.4	.	.	+ 0.4
14	14	30.05	54.0	52.8						
15	9	30.04	53.6	51.9						
16	20	30.04	52.8	50.9						
16	56	30.035	52.5	50.9						

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^1 Herculis	11	10 19.58	- 0.19	-13.56	24 20 6.25	47.159	+ 26.4	63.4	17 10 . .	. .		. .
2	b Ophiuchi	11	20 30.11	- 0.22	-13.78	62 54 5.78	46.404	+ 1 53.7	63.5	17 20 . .	. .		. .
May 23, See.													
3	α Ursæ Minoris . . .	5	22 0.60	- 5.30	[-13.50]	310 6 8.82	46.171	- 1 7.4	[68.8]	1 21 . .	. .		. .
4	Mercury C, C. . . .	11	41 19.12	- 0.20	-13.62	25 48 8.70	42.769	+ 27.5	66.5	2 41 5.30	- 0.06	+ 13 3 35.3	. .
May 24, See.													
5	Sun I, N.	11	4 2.48	- 0.20	-13.64	17 46 10.08	44.948	+ 18.2	66.5	4 3 48.64	+67.80	+ 21 5 3.1	. .
6	Sun II, S.	11	6 18.09	- 0.20	-13.64	18 18 9.45	43.480	+ 18.7	66.5	4 6 4.25	-67.81	+ 20 33 27.9	. .
7	β Tauri	11	20 9.47	- 0.21	-13.60	10 20 14.45	44.065	+ 10.3	66.2	5 19 . .	. .		. .
8	α Canis Majoris . . .	11	40 56.55	- 0.20	-13.72	55 24 10.98	47.310	+ 1 21.5	66.4	6 40 . .	. .		. .
9	α Geminorum	10	28 24.98	- 0.21	-13.70	6 44 10.25	46.886	+ 6.7	67.0	7 28 . .	. .		. .
10	θ Virginis	11	5 0.36	- 0.26	-13.80	43 50 7.35	47.298	+ 55.2	66.2	13 4 . .	. .		. .
11	α Ursæ Minoris S. P.	5	21 53.84	+ 4.62	[16.21]	307 38 4.42	47.645	- 1 14.2	[70.4]	1 21 . .	. .		. .
12	γ Virginis	11	29 49.95	- 0.25	-13.75	38 56 5.60	43.952	+ 46.5	66.6	13 29 . .	. .		. .
13	η Bootis	11	50 9.73	- 0.25	-13.76	19 56 4.95	48.090	+ 21.0	65.1	13 49 . .	. .		. .
14	Jupiter S.	. .		. .	. .	49 42 4.68	45.380	+ 1 8.0	65.5	14 1 . .	. .	- 10 51 52.0	. .
15	Jupiter N.	. .		. .	. .	49 42 4.68	43.255	+ 1 8.0	65.5		. .	- 10 51 11.3	. .
16	α Bootis	11	11 20.48	- 0.25	-13.77	19 8 1.02	47.504	+ 20.1	63.9	14 11 . .	. .		. .
17	β Libræ	10	11 51.96	- 0.26	-13.82	47 52 3.72	42.506	+ 1 3.9	66.4	15 11 . .	. .		. .
18	α Serpentis	11	39 35.07	- 0.25	-13.81	32 6 4.55	46.155	+ 36.4	65.5	15 39 . .	. .		. .
19	ϵ Serpentis	11	46 4.39	- 0.25	-13.82	34 4 4.25	45.069	+ 39.2	65.8	15 45 . .	. .		. .
20	Moon I, S.	11	2 12.00	- 0.29	-13.87	63 4 5.02	46.394	+ 1 53.9	65.5	16 1 57.84	+73.16	- 24 14 57.8	. .
21	Moon II	11	4 38.32	- 0.29	-13.87	62 48 . .		. .	. .	16 4 24.16	-73.16		. .
22	Uranus C, C.	11	17 18.90	- 0.28	-13.88	60 4 3.68	44.780	+ 1 40.6	65.5	16 17 4.74	. .	- 21 14 12.0	. .
23	α Scorpii	11	23 31.22	- 0.28	-13.99	65 2 5.30	44.796	+ 2 4.2	65.8	16 23 . .	. .		. .
24	κ Ophiuchi	11	53 10.73	- 0.25	-13.85	29 18 2.22	48.381	+ 32.7	64.6	16 52 . .	. .		. .
25	α^1 Herculis	11	10 19.89	- 0.25	-13.80	24 20 7.40	47.174	+ 26.4	65.1	17 10 . .	. .		. .
26	Saturn I	6	24 14.37	- 0.28	-13.92	60 33 . .		. .	. .	17 24 0.17	+ 0.63		. .
27	Saturn II	4	24 15.63	- 0.28	-13.92			. .	. .	17 24 1.43	- 0.63		. .
28	γ^2 Sagittarii	11	59 37.73	- 0.29	-14.09	69 14 2.85	46.181	+ 2 32.9	65.9	17 59 . .	. .		. .
May 24, L.													
29	β Andromedæ	11	4 20.05	- 0.34	-13.87	3 46 3.08	45.568	+ 3.8	64.2	1 4 . .	. .		. .
30	α Ursæ Minoris . . .	8	22 5.79	- 7.34	[-15.74]	310 6 0.98	46.423	- 1 7.5	[65.6]	1 21 . .	. .		. .
31	β Arietis	11	49 19.08	- 0.31	-13.97	18 32 2.60	45.365	+ 19.2	63.4	1 49 . .	. .		. .
32	α Arietis	11	1 44.19	- 0.32	-13.92	15 52 4.22	44.748	+ 16.2	63.7	2 1 . .	. .		. .
33	Venus I, N.	6	10 22.90	- 0.30	-13.92	27 34 4.88	47.480	+ 29.8	64.5	2 10 8.68	+ 0.36	+ 11 16 4.5	. .
34	Venus II, S.	5	10 23.72	- 0.30	-13.92	27 34 4.88	48.075	+ 29.8	64.5	2 10 9.50	- 0.46	+ 11 15 53.0	. .
35	Mercury C, C. . . .	11	47 30.08	- 0.30	-13.92	25 12 5.75	42.829	+ 26.8	64.5	2 47 15.86	- 0.05	+ 13 39 35.8	. .
May 25, L.													
36	Sun I, N.	11	8 4.84	- 0.21	-13.93	17 34 12.42	48.398	+ 18.0	64.5	4 7 50.70	+67.97	+ 21 15 52.8	. .
37	Sun II, S.	11	10 20.78	- 0.21	-13.93	18 6 0.55	47.670	+ 18.6	64.5	4 10 6.64	-67.97	+ 20 44 14.5	. .
38	α Tauri	11	30 22.76	- 0.31	-13.91	22 32 2.40	46.939	+ 23.5	65.6	4 30 . .	. .		. .
39	β Orionis	11	9 56.07	- 0.30	-14.00	47 10 5.65	43.339	+ 1 0.8	65.4	5 9 . .	. .		. .
40	β Tauri	11	20 9.86	- 0.33	-13.87	10 20 2.62	44.598	+ 10.3	64.5	5 19 . .	. .		. .
41	α Ursæ Minoris S. P.	5	21 51.58	+ 5.02	[13.44]	307 38 3.45	47.492	- 1 14.4	[36.3]	1 21 . .	. .		. .
42	η Bootis	11	50 10.13	- 0.25	-14.16	19 56 5.92	47.970	+ 21.0	63.9	13 49 . .	. .		. .
43	Jupiter I, S.	5	0 52.06	- 0.25	-14.16	49 40 7.12	46.128	+ 1 8.1	64.0	14 0 37.65	+ 1.53	- 10 50 10.5	. .
44	Jupiter II, N. . . .	6	0 55.13	- 0.25	-14.16	49 40 7.12	43.972	+ 1 8.0	64.0	14 0 40.72	- 1.54	- 10 49 28.9	. .
45	α Bootis	11	11 20.92	- 0.25	-14.22	19 8 6.68	47.189	+ 20.1	63.7	14 11 . .	. .		. .
46	ϵ Bootis	11	40 52.20	- 0.25	-14.13	11 22 6.90	42.832	+ 11.7	65.0	14 40 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°					' "	' "	"	' "
23	17	27	30.04	52.0	50.6	3.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	4	+	3.6	. . .	- 0.4	+ 3.2
	1	26	30.125	63.8	62.9	5, 36.	Bisections at I, II.	5	+	2.7	-15 47.6	. .	-15 44.9
	2	46	30.135	67.4	66.7	6, 37.	Bisections at VI, VII.	6	+	2.7	+15 47.6	. .	+15 50.3
24	4	6	30.12	69.0	68.1	11.	Bisections at D ₃ , D ₂ , D ₁ , C ₅ , C ₄ .	14	+	1.5	+ 20.3	. .	+ 21.8
	5	26	30.118	70.8	69.9		Bisections at I, VII.	15	+	1.5	- 20.4	. .	- 18.9
	7	34	30.103	71.5	70.6	14, 34, 44.	Bisections at II, VI.	20	+	52 31.9	+16 7.1	. .	+ 68 39.0
	13	10	30.095	61.1	58.7	15, 33, 43.	Bisections at II, III, IV, V, VI.	22	+	0.4	. . .	. .	+ 0.4
	13	56	30.090	59.7	57.5	20, 30.	Bisections at C ₂ , C ₁ , B ₃ , B ₂ .	33	+	2.9	- 5.9	. .	- 3.0
	14	18	30.095	58.9	56.7	41.		34	+	2.9	+ 5.9	- 0.3	+ 8.5
	15	49	30.086	57.1	54.5			35	+	3.4	. . .	- 0.3	+ 3.1
	16	30	30.075	56.1	53.7			36	+	2.6	-15 49.1	. .	-15 46.5
	17	40	30.070	54.8	52.1			37	+	2.7	+15 49.1	. .	+15 51.8
	1	18	30.15	64.0	62.9			43	+	1.5	+ 20.8	. .	+ 22.3
	2	15	30.14	65.4	64.9			44	+	1.5	- 20.8	. .	- 19.3
	2	52	30.14	67.6	65.1								
25	4	10	30.115	69.0	67.5								
	5	15	30.10	70.5	68.5								
	13	37	30.06	59.7	56.3								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	'Clock.								
1	α^2 Libræ	11	45 35.45	— 0.26	—14.15	54 28 6.72	43.726	+ 1 21.1	65.0	14 45 . . .	s		. . .
2	Uranus C, C.	11	17 8.84	— 0.26	—14.18	60 4 8.92	43.148	+ 1 40.8	64.0	16 16 54.40	. . .	21 13 47.7	. . .
3	ζ Ophiuchi	11	31 54.02	— 0.25	—14.23	49 12 7.55	45.248	+ 1 7.4	63.8	16 31 . . .	. . .		. . .
4	κ Ophiuchi	11	53 11.00	— 0.24	—14.12	29 18 6.92	48.071	+ 1 32.7	63.6	16 52 . . .	. . .		. . .
5	Moon II, S.	11	9 32.92	— 0.28	—14.19	63 56 7.25	46.323	+ 1 58.8	64.0	17 9 18.45	—74.42	25 7 5.0	. . .
6	b Ophiuchi	11	20 30.68	— 0.27	—14.27	62 54 7.82	46.316	+ 1 53.6	63.7	17 20 . . .	. . .		. . .
7	Saturn I, S.	5	23 57.14	— 0.26	—14.19	60 30 7.48	48.485	+ 1 42.9	64.0	17 23 42.69	+ 0.65	21 41 30.7	. . .
8	Saturn II, N.	6	23 58.45	— 0.26	—14.19	60 30 7.48	47.468	+ 1 42.9	64.0	17 23 44.00	— 0.66	21 41 11.1	. . .
9	α Ophiuchi.	11	30 32.46	— 0.24	—14.13	26 12 7.55	47.888	+ 28.8	63.5	17 30 . . .	. . .		. . .
May 25, Ei.													
10	β Andromedæ	11	4 20.17	— 0.31	—13.99	3 46 3.35	45.563	+ 3.8	65.0	1 4 . . .	. . .		. . .
11	β Arietis.	5	49 19.16	— 0.31	—14.02	18 32 3.00	45.424	+ 19.1	64.9	1 49 . . .	. . .		. . .
12	α Arietis.	11	1 44.31	— 0.31	—14.04	15 52 3.10	44.869	+ 16.2	64.9	2 1 . . .	. . .		. . .
13	Venus I, C.	5	14 59.02	— 0.31	—14.02	27 10 3.78	45.848	+ 29.1	65.4	2 14 44.69	+ 0.30	11 40 38.5	. . .
14	Venus II.	6	14 59.72	— 0.31	—14.02			. . .	. . .	2 14 45.39	— 0.40		. . .
15	Mercury II, C.	10	53 51.87	— 0.31	—14.02	24 34 4.90	47.624	+ 25.9	65.7	2 53 37.54	— 0.21	14 16 6.8	. . .
16	α Ceti	9	57 15.29	— 0.31	—14.01	35 10 4.02	41.972	+ 39.8	66.0	2 57 . . .	. . .		. . .
May 26, Ei.													
17	Sun I, N.	11	12 7.64	— 0.31	—14.04	17 24 8.85	47.092	+ 17.7	66.5	4 11 53.29	+67.95	21 26 23.7	. . .
18	Sun II, S.	11	14 23.55	— 0.31	—14.04	17 56 3.08	45.972	+ 18.3	66.5	4 14 9.20	—67.96	20 54 46.8	. . .
19	β Orionis	11	9 56.21	— 0.32	—14.12	47 10 2.75	43.514	+ 0.4	65.6	5 9 . . .	. . .		. . .
20	β Tauri	10	20 10.04	— 0.31	—14.07	10 20 3.02	44.761	+ 10.3	67.9	5 19 . . .	. . .		. . .
21	ϵ Orionis	3	31 20.47	— 0.32	—13.94	40 6 3.68	47.003	+ 47.2	66.8	5 31 . . .	. . .		. . .
22	α Orionis	10	49 57.67	— 0.31	—14.05	31 28 3.85	43.791	+ 34.3	68.5	5 49 . . .	. . .		. . .
23	γ Geminorum	11	32 8.36	— 0.31	—14.08	22 22 8.70	44.642	+ 23.1	68.1	6 31 . . .	. . .		. . .
24	θ Virginis	11	5 0.75	— 0.38	—14.08	43 50 4.42	47.463	+ 54.7	66.7	13 4 . . .	. . .		. . .
25	α Virginis	11	20 9.93	— 0.39	—14.04	49 28 6.10	47.072	+ 6.7	67.7	13 19 . . .	. . .		. . .
26	ζ Virginis	11	29 50.44	— 0.38	—14.12	38 56 6.10	43.984	+ 46.1	67.5	13 29 . . .	. . .		. . .
27	η Bootis	11	50 10.15	— 0.36	—14.08	19 56 4.95	48.130	+ 20.8	65.9	13 49 . . .	. . .		. . .
28	Jupiter I, N.	6	0 31.52	— 0.39	—14.09	49 38 5.50	45.358	+ 7.2	66.8	14 0 17.04	+ 1.41	10 47 50.3	. . .
29	Jupiter II, S.	5	0 34.34	— 0.39	—14.09	49 38 5.50	47.562	+ 7.3	66.8	14 0 19.86	— 1.41	10 48 32.7	. . .
30	Uranus C, C.	11	16 58.38	— 0.41	—14.12	60 2 5.58	48.429	+ 39.4	68.8	16 16 43.85	. . .	21 13 21.4	. . .
31	α Scorpii	11	23 31.55	— 0.42	—14.16	65 2 6.22	44.902	+ 2 2.8	67.3	16 23 . . .	. . .		. . .
32	b Ophiuchi	11	20 30.73	— 0.42	—14.15	62 54 5.70	46.664	+ 1 52.1	66.7	17 20 . . .	. . .		. . .
33	Saturn I, N.	6	23 39.37	— 0.41	—14.14	60 30 5.85	47.035	+ 1 41.4	66.8	17 23 24.82	+ 0.70	21 40 56.8	. . .
34	Saturn II, S.	5	23 40.76	— 0.41	—14.14	60 30 5.85	48.092	+ 1 41.5	66.8	17 23 26.21	— 0.69	21 41 17.4	. . .
35	γ^2 Sagittarii	11	59 37.95	— 0.43	—14.12	69 14 5.28	46.188	+ 2 30.9	66.4	17 59 . . .	. . .		. . .
36	μ Sagittarii	11	8 1.90	— 0.41	—14.18	59 54 5.08	47.692	+ 1 39.1	66.9	18 7 . . .	. . .		. . .
37	Moon N.	. . .		. . .		62 32 5.22	42.043	+ 1 50.3	66.8		. . .	23 41 26.4	. . .
38	Moon II, S.	11	15 19.30	— 0.43	—14.15	63 4 4.48	44.590	+ 1 52.9	66.8	18 15 4.72	—74.29	24 14 23.4	. . .
39	ι Aquilæ	11	30 0.69	— 0.39	—14.09	47 8 5.75	48.821	+ 1 2.0	65.9	18 29 . . .	. . .		. . .
May 26, La.													
40	Venus I, C.	6	19 36.15	— 0.32	—14.37	26 46 3.55	44.722	+ 28.2	68.6	2 19 21.46	+ 0.33	12 5 4.4	. . .
41	Venus II	5	19 36.90	— 0.32	—14.37			. . .	. . .	2 19 22.21	— 0.42		. . .
42	Mercury C, C.	11	0 24.44	— 0.33	—14.37	23 58 2.25	45.202	+ 24.7	68.6	3 0 9.74	— 0.05	14 53 0.0	. . .
May 27, La.													
43	Sun I, N.	11	16 10.93	— 0.33	—14.35	17 14 12.18	46.702	+ 17.2	68.6	4 15 56.25	+68.01	21 36 30.4	. . .
44	Sun II, S.	11	18 26.96	— 0.33	—14.35	17 46 12.02	45.138	+ 17.8	68.6	4 18 12.28	—68.02	21 4 56.5	. . .
45	β Orionis	11	9 56.43	— 0.32	—14.34	47 10 6.75	43.498	+ 59.3	68.4	5 9 . . .	. . .		. . .
46	β Tauri	11	20 10.32	— 0.34	—14.31	10 20 2.72	44.771	+ 10.1	67.6	5 19 . . .	. . .		. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
25 14 48	30.05	57.0	53.9	5.	Bisections at II, III, IV, V, VI.	2	+ 0.4	. . .	. . .	+ 0.4
16 23	30.04	54.5	52.2	7, 29, 34.	Bisections at II, VI.	5	+53 24.1	+16 15.6	. . .	+69 39.7
17 33	30.03	53.5	50.7	8, 28, 33.	Bisections at I, VII.	7	+ 0.9	+ 9.8	. . .	+ 10.7
1 6	30.06	62.0	62.7	10, 21, 24.	Bisections at II, VI, VII.	8	+ 0.9	+ 9.8	. . .	+ 8.9
2 7	30.06	66.0	65.0	16.	Bisections at I, II, VI.	13	+ 2.9	. . .	0.3	+ 2.6
3 2	30.06	67.5	66.8	17, 43.	Bisections at I, II.	15	+ 3.3	. . .	0.3	+ 3.0
4 14	30.06	70.0	68.9	18, 44.	Bisections at VI, VII.	17	+ 2.6	—15 48.4	. . .	—15 45.8
5 3	30.05	71.0	70.9	37.	Bisections at I, II, III.	18	+ 2.7	+15 48.4	. . .	+15 51.1
5 55	30.04	73.0	71.5	38.	Bisections at V, VI, VII.	28	+ 1.4	— 21.2	. . .	— 19.8
6 37	30.02	73.5	71.6			29	+ 1.4	+ 21.2	. . .	+ 22.6
13 1	29.97	64.5	61.6			30	+ 0.4	. . .	. . .	+ 0.4
14 4	29.97	62.0	59.3			33	+ 0.9	— 10.3	. . .	— 9.4
16 10	29.95	59.5	57.4			34	+ 0.9	+ 10.3	. . .	+ 11.2
17 14	29.93	58.5	56.0			37	+53 0.0	—16 20.6	. . .	+36 39.4
18 33	29.91	57.5	55.3			38	+53 16.0	+16 20.6	— 0.2	+69 36.4
2 22	29.895	70.2	70.3			40	+ 2.8	. . .	— 0.3	+ 2.5
3 0	29.880	72.4	72.5			42	+ 3.2	. . .	— 0.3	+ 2.9
4 18	29.87	75.0	74.9			43	+ 2.6	—15 46.9	. . .	—15 44.3
5 13	29.850	77.2	77.6			44	+ 2.7	+15 46.9	. . .	+15 49.6

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ε Orionis	11	31 20.85	- 0.32	- 14.32	40 6 2.00	47.259	+ 46.2	68.6	5 31 . . .	. . .		. . .
2	α Orionis	11	49 58.02	- 0.32	- 14.39	31 28 3.68	43.900	+ 33.5	69.7	5 49 . . .	. . .		. . .
3	η Bootis	11	50 10.35	- 0.43	- 14.21	19 56 5.00	48.284	+ 20.2	68.5	13 49 . . .	. . .		. . .
4	Jupiter I, S.	6	0 11.37	- 0.42	- 14.24	49 36 5.42	49.032	+ 1 5.4	69.1	13 59 56.71	+ 1.49	- 10 46 56.6	. . .
5	Jupiter II, N.	5	0 14.36	- 0.42	- 14.24	49 36 5.42	46.852	+ 1 5.4	69.1	13 59 59.70	- 1.50	- 10 46 14.8	. . .
6	ρ Bootis	11	27 46.57	- 0.45	- 14.25	8 2 5.32	46.736	+ 7.9	68.5	14 27 . . .	. . .		. . .
7	ε Bootis	11	40 52.47	- 0.44	- 14.21	11 22 7.62	43.005	+ 11.3	69.0	14 40 . . .	. . .		. . .
8	α² Libræ	11	45 35.76	- 0.42	- 14.29	54 28 7.75	44.080	+ 18.1	69.8	14 45 . . .	. . .		. . .
9	δ Scorpis	11	54 40.34	- 0.43	- 14.30	61 10 5.00	45.079	+ 1 41.2	70.2	15 54 . . .	. . .		. . .
10	β Scorpis	11	59 52.45	- 0.42	- 14.32	58 22 3.85	44.695	+ 1 30.5	70.6	15 59 . . .	. . .		. . .
11	Uranus C, C.	11	16 48.02	0.43	- 14.29	60 2 4.65	47.479	+ 1 36.9	69.1	16 16 33.30	. . .	- 21 12 57.5	. . .
12	ζ Ophiuchi	11	31 54.26	0.42	- 14.27	49 12 4.65	45.874	+ 1 4.8	70.4	16 31 . . .	. . .		. . .
13	Saturn I, S.	5	23 21.56	- 0.43	- 14.27	60 30 4.88	47.668	+ 1 38.9	69.1	17 23 6.86	+ 0.76	- 21 41 3.4	. . .
14	Saturn II, N.	6	23 23.07	- 0.43	- 14.27	60 30 4.88	46.640	+ 1 38.8	69.1	17 23 8.37	- 0.75	- 21 40 43.4	. . .
15	α Ophiuchi	11	30 32.74	- 0.42	- 14.19	26 12 5.62	48.280	+ 27.6	68.3	17 30 . . .	. . .		. . .
16	ι Aquilæ	11	30 0.90	- 0.42	- 14.25	47 8 4.98	49.062	+ 1 0.5	69.0	18 29 . . .	. . .		. . .
17	ζ Aquilæ	11	1 3.93	- 0.42	- 14.31	25 8 6.00	45.671	+ 26.4	68.8	19 0 . . .	. . .		. . .
18	Moon II, N.	11	19 44.12	- 0.44	- 14.23	59 56 4.32	47.647	+ 1 36.9	69.1	19 19 29.45	- 72.99	- 21 7 0.5	. . .
19	γ Aquilæ	11	41 45.17	- 0.42	- 14.25	28 28 6.20	47.684	+ 30.6	68.0	19 41 . . .	. . .		. . .
20	α Aquilæ	11	46 8.99	- 0.42	- 14.19	30 14 6.68	47.314	+ 32.8	68.4	19 45 . . .	. . .		. . .
May 28, Br.													
21	δ Ophiuchi	11	9 21.43	- 0.39	- 14.27	42 16 5.08	47.692	+ 50.5	71.6	16 9 . . .	. . .		. . .
22	ζ Ophiuchi	11	31 54.40	- 0.39	- 14.43	49 12 4.35	45.990	+ 1 4.4	72.0	16 31 . . .	. . .		. . .
23	α¹ Herculis	11	10 20.60	- 0.41	- 14.29	24 20 4.80	47.699	+ 25.2	72.2	17 10 . . .	. . .		. . .
24	β Aquilæ	11	50 39.05	- 0.40	- 14.45	32 42 4.72	43.694	+ 35.9	71.4	19 50 . . .	. . .		. . .
25	τ Aquilæ	11	59 30.08	- 0.40	- 14.28	31 50 4.55	49.046	+ 34.8	72.1	19 59 . . .	. . .		. . .
26	α² Capricorni	11	12 45.07	- 0.39	- 14.33	51 42 3.60	43.925	+ 1 10.7	71.6	20 12 . . .	. . .		. . .
27	Moon II	11	21 14.64	- 0.41	- 14.35	56 14 . . .	. . .	. . .	. . .	20 20 59.88	- 71.03		. . .
28	ε Delphini	11	28 40.85	- 0.40	- 14.32	27 54 5.35	42.899	+ 29.6	70.8	20 28 . . .	. . .		. . .
May 28, B.													
29	β Arietis	11	49 19.35	- 0.45	- 14.00	18 32 2.45	45.805	+ 18.4	71.2	1 49 . . .	. . .		. . .
30	α Arietis	11	1 44.50	- 0.46	- 14.01	15 52 3.18	45.234	+ 15.6	71.6	2 1 . . .	. . .		. . .
31	Venus I, C.	6	28 52.58	- 0.43	- 14.02	25 58 4.68	44.751	+ 26.7	72.2	2 28 38.13	+ 0.40	+ 12 53 7.8	. . .
32	Venus II.	5	28 53.50	- 0.43	- 14.02		. . .	. . .	. . .	2 28 39.05	- 0.52		. . .
33	α Ceti	11	57 15.47	- 0.41	- 14.04	35 10 4.38	42.278	+ 38.5	72.0	2 57 . . .	. . .		. . .
34	Mercury C, C.	11	14 3.73	0.44	- 14.02	22 44 4.60	44.235	+ 22.9	72.2	3 13 49.27	- 0.04	+ 16 7 21.5	. . .
May 29, B.													
35	Sun I, N.	11	24 18.45	- 0.46	- 14.02	16 54 3.65	50.042	+ 16.6	72.2	4 24 3.97	+ 68.19	+ 21 55 39.1	. . .
36	Sun II, S.	11	26 34.83	- 0.46	- 14.02	17 25 55.98	49.008	+ 17.1	72.2	4 26 20.35	- 68.19	+ 21 24 2.7	. . .
37	β Orionis	11	9 56.28	- 0.39	- 14.11	47 10 2.78	43.956	+ 58.3	72.5	5 9 . . .	. . .		. . .
38	β Tauri	11	20 10.09	- 0.48	- 13.93	10 20 4.02	44.989	+ 9.9	72.8	5 19 . . .	. . .		. . .
39	δ Orionis	11	27 6.17	- 0.41	- 14.04	39 12 5.02	48.812	+ 44.1	72.8	5 26 . . .	. . .		. . .
40	ε Orionis	11	31 20.65	- 0.40	- 14.03	40 6 7.25	47.220	+ 45.5	72.6	5 31 . . .	. . .		. . .
41	ε Delphini	10	28 40.36	- 0.40	- 13.81	27 54 5.90	42.832	+ 29.9	70.6	20 28 . . .	. . .		. . .
42	μ Aquarii	11	47 29.68	- 0.40	- 13.82	48 12 5.30	44.934	+ 1 3.2	70.2	20 47 . . .	. . .		. . .
43	Moon II, N.	11	19 22.77	- 0.42	- 13.79	50 56 3.18	42.898	+ 1 9.8	70.2	21 19 8.56	- 69.04	- 12 5 0.1	. . .
44	β Aquarii	11	26 31.51	- 0.40	- 13.79	44 52 6.48	42.634	+ 56.4	69.9	21 26 . . .	. . .		. . .
45	ζ Aquarii	11	32 39.49	- 0.40	- 13.77	47 8 5.90	47.050	+ 1 1.2	70.0	21 32 . . .	. . .		. . .
June 1, L.													
46	β Arietis	4	49 18.21	- 0.48	- 12.73	18 32 . . .	. . .	. . .	. . .	1 49 . . .	. . .		. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
27 5 53	29.845	79.8	79.7	4, 13.	Bisections at II, VI.	4	+ 1.4	+ 20.9	. . .	+ 22.3
13 54	29.77	70.6	69.7	5, 14.	Bisections at I, VII.	5	+ 1.4	- 20.9	. . .	- 19.5
14 50	29.77	69.2	68.0	16.	Bisections at II, VI, VII.	11	+ 0.4	. . .	. . .	+ 0.4
16 8	29.76	68.2	66.7	18, 43.	Bisections at II, III, IV, V, VI.	13	+ 0.9	+ 10.0	. . .	+ 10.9
17 36	29.75	67.0	65.9	35.	Bisections at I, II.	14	+ 0.9	- 10.0	. . .	- 9.1
18 33	29.745	66.3	64.8	36.	Bisections at VI VII.	18	+ 51 47.3	- 16 22.2	. . .	+ 35 25.1
19 49	29.75	65.6	63.9			31	+ 2.7	. . .	- 0.3	+ 2.4
28 16 2	29.82	73.0	71.6			34	+ 2.9	. . .	- 0.2	+ 2.7
19 54	29.85	70.8	69.1			35	+ 2.5	- 15 48.2	. . .	- 15 45.7
20 36	29.86	70.5	69.1			36	+ 2.6	+ 15 48.1	. . .	+ 15 50.7
1 54	29.93	80.2	79.9			43	+ 46 8.2	- 16 16.2	. . .	+ 29 52.0
2 33	29.93	80.6	80.7							
3 17	29.93	82.0	81.9							
4 26	29.92	85.0	85.0							
5 6	29.90	85.8	86.3							
5 36	29.88	86.4	87.1							
20 25	29.87	85.8	84.3							
21 38	29.99	85.4	83.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instrument.	Clock.								
1	α Arietis.	11	1	43.35	- 0.48	-12.74	15 52 1.85	45.129	+ 15.8	68.7	2 1 . . .	+	14 25 49.5	..
2	Venus I, C.	5	47	36.24	- 0.47	-12.70	24 24 3.40	48.845	+ 25.2	69.7	2 47 23.07	+ 0.33	..	..
3	Venus II, C.	6	47	36.98	- 0.47	-12.70	..	..	..	..	2 47 23.81	- 0.41	..	..
4	α Persei	6	17	21.16	- 0.66	-12.64	349 22 9.00	43.130	- 10.3	70.7	3 17 . . .	..	..	..
5	Mercury C, C. June 2, L.	11	43	44.51	- 0.47	-12.70	20 16 3.20	44.434	+ 20.4	69.7	3 43 31.34	- 0.03	+ 18 35 19.1	..
6	Sun I	10	40	37.76	- 0.48	-12.70	16 38 . . .	..	..	..	4 40 24.58	+ 68.48	..	..
7	α Orionis	8	49	56.38	- 0.47	-12.58	31 28 1.40	44.040	+ 33.5	70.7	5 49 . . .	..	..	..
8	α Canis Majoris	11	40	55.84	- 0.48	-12.76	55 23 59.88	48.051	+ 19.4	68.9	6 40 . . .	..	..	..
9	ϵ Canis Majoris	11	54	53.03	- 0.51	-12.70	67 38 . . .	..	..	..	6 54 . . .	..	..	..
10	δ Canis Majoris	11	4	30.87	- 0.50	-12.76	65 4 5.95	43.880	+ 57.2	69.6	7 4 . . .	..	..	..
11	ζ Virginis	11	29	48.99	- 0.40	-12.69	38 56 5.02	44.246	+ 44.7	70.5	13 29 . . .	..	..	..
12	β^1 Scorpii	11	59	50.92	- 0.42	-12.74	58 22 2.55	44.806	+ 30.1	71.0	15 59 . . .	..	..	..
13	Uranus C, C.	11	15	43.78	- 0.42	-12.66	60 0 3.40	45.950	+ 36.2	69.8	16 15 30.70	..	- 21 10 25.5	..
14	ζ Ophiuchi	11	31	52.70	- 0.40	-12.66	49 12 4.40	45.860	+ 4.5	70.0	16 31 . . .	..	..	..
15	κ Ophiuchi	11	53	9.80	- 0.40	-12.66	29 20 5.12	42.194	+ 31.3	69.1	16 52 . . .	..	..	..
16	α^1 Herculis	11	10	18.98	- 0.40	-12.61	24 20 4.98	47.444	+ 25.3	68.7	17 10 . . .	..	..	..
17	Saturn I, N.	6	21	30.12	- 0.42	-12.65	60 28 5.40	48.360	+ 38.2	69.8	17 21 17.05	+ 0.71	- 21 39 15.8	..
18	Saturn II, S.	5	21	31.54	- 0.42	-12.65	60 28 5.40	49.388	+ 38.2	69.8	17 21 18.47	- 0.71	- 21 39 35.3	..
19	α Ophiuchi June 2, B.	11	30	31.19	- 0.40	-12.58	26 12 5.68	48.265	+ 27.5	69.2	17 30 . . .	..	..	..
20	α Andromedæ	11	3	24.45	- 0.42	-12.20	10 20 9.80	42.379	+ 10.2	69.3	0 3 . . .	..	..	..
21	γ Pegasi	11	8	16.62	- 0.41	-12.27	24 14 6.62	43.621	+ 25.2	70.5	0 8 . . .	..	..	..
22	Moon II, N.	11	52	34.94	- 0.42	-12.26	28 4 8.42	44.958	+ 29.9	70.5	0 52 22.26	- 66.58	+ 10 46 55.3	..
23	ϵ Piscium	11	57	56.41	- 0.40	-12.32	31 30 11.75	44.467	+ 34.3	71.1	0 57 . . .	..	..	..
24	β Andromedæ	10	4	18.73	- 0.43	-12.17	3 46 4.62	45.698	+ 3.7	70.1	1 4 . . .	..	..	..
25	α Ursæ Minoris.	11	22	10.25	- 8.07	[-12.16]	3 10 6 6.58	46.296	- 1 6.0	[68.9]	1 21 . . .	..	..	..
26	β Arietis	11	49	17.76	- 0.41	-12.32	18 32 8.85	45.382	+ 18.7	70.7	1 49 . . .	..	..	..
27	Mercury C, C. June 3, B.	11	51	40.19	- 0.41	-12.21	19 40 2.10	44.781	+ 19.8	70.5	3 51 27.57	- 0.02	+ 19 11 14.9	..
28	Sun I	11	44	43.40	- 0.41	-12.20	16 30 . . .	..	..	..	4 44 30.79	+ 68.47	..	..
29	Sun II, S.	11	47	0.33	- 0.41	-12.20	16 46 3.85	44.568	+ 16.7	70.5	4 46 47.72	- 68.46	+ 22 5 18.7	..
30	β Orionis	11	9	54.40	- 0.41	-12.17	47 10 11.95	43.246	+ 59.6	70.1	5 9 . . .	..	..	..
31	β Tauri	11	20	8.35	- 0.42	-12.21	10 20 12.05	44.446	+ 10.1	70.4	5 19 . . .	..	..	..
32	ϵ Orionis	11	31	18.81	- 0.41	-12.16	40 6 7.15	47.118	+ 46.6	72.2	5 31 . . .	..	..	..
33	α Orionis	11	49	55.94	- 0.40	-12.20	31 28 4.02	43.876	+ 33.8	70.4	5 49 . . .	..	..	..
34	η Virginis	11	4	58.82	- 0.44	-12.14	43 50 4.50	47.690	+ 53.5	69.7	13 4 . . .	..	..	..
35	α Ursæ Minoris s. p.	9	21	52.01	+ 8.78	[-10.30]	307 38 4.52	47.339	- 1 12.0	[69.3]	1 21 . . .	..	..	..
36	ζ Virginis	11	29	48.46	- 0.44	-12.12	38 56 4.15	44.268	+ 45.1	70.5	13 29 . . .	..	..	..
37	Jupiter I, N.	6	58	3.30	- 0.44	-12.11	49 26 6.95	47.785	+ 1 5.2	70.4	13 57 50.75	+ 1.43	- 10 36 32.7	..
38	Jupiter II, S.	5	58	6.16	- 0.44	-12.11	49 26 6.95	49.875	+ 1 5.3	70.4	13 57 53.61	- 1.43	- 10 37 12.9	..
39	ϵ Bootis	11	40	50.29	- 0.45	-12.04	11 22 6.25	43.120	+ 11.3	71.3	14 40 . . .	..	..	..
40	α^2 Libræ	11	45	33.64	- 0.45	-12.13	54 28 1.12	44.431	+ 1 18.2	70.1	14 45 . . .	..	..	..
41	δ Ophiuchi.	11	9	19.28	- 0.44	-12.02	42 16 6.68	47.512	+ 51.0	70.7	16 9 . . .	..	..	..
42	Uranus C, C.	11	15	32.84	- 0.46	-12.03	60 0 5.38	44.510	+ 1 37.0	70.4	16 15 20.35	..	- 21 10 0.0	..
43	α Scorpii	11	23	29.63	- 0.47	-12.09	65 2 6.15	45.214	+ 2 0.2	70.3	16 23 . . .	..	..	..
44	ζ Ophiuchi.	11	31	52.08	- 0.44	-11.99	49 12 4.92	45.846	+ 1 5.1	70.9	16 31 . . .	..	..	..
45	α^1 Herculis	11	10	18.38	- 0.44	-11.96	24 20 9.15	47.265	+ 25.5	69.8	17 10 . . .	..	..	..
46	Saturn, S.	..	..	..	..	..	60 28 3.68	48.688	+ 1 39.2	70.4	17 20 . . .	..	- 21 39 20.7	..
47	Saturn, N.	..	..	..	..	..	60 28 3.68	47.678	+ 1 39.2	70.4	..	..	- 21 39 1.2	..

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d	h m	in.	°	°				" "	" "	" "	" "	
1	2 5	29.84	76.8	74.6	4, 24, 29.	Bisections at VI, VII.	2	+	2.5	..	+	2.3
2	52	29.84	76.3	74.1	7.	Bisections at I, II, VI.	5	+	2.5	- 0.2	+	2.4
3	47	29.835	78.5	76.3	17, 38, 46.	Bisections at II, VI.	13	+	0.4	..	+	0.4
4	43	29.84	79.6	77.9	18, 37, 47.	Bisections at I, VII.	17	+	0.9	- 9.7	-	8.8
5	53	29.82	80.9	78.7	22.	Bisections at III, IV, V.	8	+	0.9	+ 9.8	+	10.7
6	41	29.82	82.1	77.9	23, 26.	Bisections at II, VI, VII.	22	+	27 1.7	- 15 45.8	..	+ 11 15.9
7	6	29.86	76.3	74.0	25, 35.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	27	+	2.4	- 0.1	+	2.3
13	34	29.84	73.0	70.9			29	+	2.5	+ 15 47.6	..	+ 15 50.1
16	4	29.84	72.4	70.4			37	+	1.4	- 20.1	..	18.7
16	49	29.83	72.4	70.4			38	+	1.4	+ 20.1	..	21.5
17	18	29.83	72.0	70.1			42	+	0.4	..	..	0.4
23	58	29.93	71.4	69.3			46	+	0.9	+ 9.8	..	10.7
0	16	29.94	71.8	69.9			47	+	0.9	- 9.7	..	8.8
1	33	29.94	73.0	71.2								
1	55	29.93	73.8	71.7								
3	55	29.94	77.0	75.1								
4	46	29.945	77.6	75.3								
5	37	29.95	78.3	76.2								
5	55	29.95	79.2	76.7								
12	56	29.92	73.6	71.7								
13	37	29.93	72.0	70.9								
14	6	29.94	72.0	70.9								
14	52	29.93	71.0	69.7								
16	5	29.92	69.4	68.5								
16	36	29.92	68.2	66.9								

SIX-INCH TRANSIT CIRCLE.

OBSERVATIONS AND REDUCTIONS.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instrument.	Clock.								
1	β Andromedæ . . .	11	4	12.44	— 0.19	[— 5.66]	356 6 10.65	30.048	— 3.7	[25.5]	1 4 . .	s	° / //	//
2	α Ursæ Minoris . .	7	21	50.86	+ 15.96	[— 4.53]	49 46 14.80	29.355	+ 1 5.6	[25.1]	1 22 . .		° / //	//
June 15, K.														
3	α Tauri	11	30	14.66	— 0.24	[— 5.56]	337 20 12.22	29.064	— 23.1	24.1	4 30 . .		° / //	//
June 16, K.														
4	Sun N.						344 40 9.82	27.512	— 15.2	24.4	5 39 . .		+ 23 37 46.5	
5	Sun S.						344 8 7.82	28.645	— 15.7	24.4			+ 23 6 16.4	
6	δ Geminorum . . .	11	14	12.61	— 0.17	— 5.41	343 12 1.45	28.411	— 16.7	23.9	7 14 . .			
7	α^2 Geminorum . . .	11	28	16.55	— 0.08	— 5.47	353 8 4.60	29.071	— 6.6	24.2	7 28 . .			
8	α Canis Minoris . .	11	34	7.92	— 0.31	— 5.33	326 30 5.78	30.804	— 36.6	25.5	7 34 . .			
June 16, Ei.														
9	β Leonis	11	44	2.52	— 0.24	— 5.31	336 10 5.90	28.181	— 24.7	25.9	11 43 . .			
10	Moon I, N.	11	57	54.97	— 0.38	— 5.28	315 0 10.15	29.091	— 56.0	25.5	11 57 49.31	+ 62.65	— 6 2 9.8	
11	γ Corvi	11	10	45.03	— 0.44	— 5.30	304 4 15.62	27.516	— 1 22.9	23.9	12 10 . .			
12	η Virginis	11	14	52.57	— 0.33	— 5.28	320 56 20.68	27.441	— 45.6	26.0	12 14 . .			
13	β Corvi	11	29	13.35	— 0.48	— 5.25	298 12 21.15	29.355	— 1 44.5	[27.6]	12 29 . .			
14	η Virginis	11	4	51.70	— 0.34	— 5.22	316 2 12.90	28.714	— 54.5	26.2	13 4 . .			
15	α Ursæ Minoris s. p.	8	22	20.36	— 13.76	[— 3.84]	52 14 14.35	28.807	+ 1 13.3	[25.3]	1 22 . .			
16	Uranus C, C. . . .	11	13	15.48	— 0.32	— 5.19	299 58 17.80	29.295	— 1 39.0	27.3	16 13 9.97		— 21 4 40.9	
17	α Scorpii	11	23	22.63	— 0.34	— 5.12	294 50 15.75	30.304	— 2 2.9	27.2	16 23 . .			
18	δ Ophiuchi	11	31	45.16	— 0.27	— 5.15	310 40 15.72	29.970	— 1 6.6	28.2	16 31 . .			
19	κ Ophiuchi	11	53	2.27	— 0.19	— 5.22	330 34 17.20	28.054	— 32.4	25.6	16 52 . .			
20	α^1 Herculis	11	10	11.45	— 0.17	— 5.19	335 32 13.48	28.908	— 26.1	27.1	17 10 . .			
21	Saturn I, S.	5	16	58.03	— 0.32	— 5.16	299 26 14.82	30.560	— 1 41.3	27.3	17 16 52.55	+ 0.70	— 21 36 10.1	
22	Saturn II, N. . . .	6	16	59.43	— 0.32	— 5.16	299 26 14.82	31.282	— 1 41.3	27.3	17 16 53.95	— 0.70	— 21 35 49.7	
23	δ Ophiuchi	11	20	22.00	— 0.33	— 5.19	296 58 9.50	29.394	— 1 52.2	28.2	17 20 . .			
24	α Ursæ Minoris . .	7	22	11.83	— 3.75	[— 4.81]	49 46 . .				1 22 . .			
25	α Arietis	11	1	35.78	— 0.14	[— 5.07]	344 0 . .				2 1 . .			
June 18, S.														
26	β Corvi	11	29	12.79	— 0.51	— 4.68	298 12 . .				12 29 . .			
27	η Virginis	11	4	51.18	— 0.40	— 4.66	316 2 4.95	29.171	— 53.5	31.9	13 4 . .			
28	α Ursæ Minoris s. p.	7	22	19.81	— 11.39	[— 3.56]	52 13 59.70	29.461	+ 1 11.9	[27.8]	1 22 . .			
29	Moon I, N.	11	36	46.17	— 0.47	— 4.65	305 22 0.88	29.931	— 1 18.3	30.4	13 36 41.05	+ 66.69	— 15 40 22.3	
30	η Bootis	11	50	0.47	— 0.26	— 4.65	339 56 . .				13 49 . .			
31	α Bootis	10	11	11.29	— 0.26	— 4.71	340 44 1.50	29.342	— 19.5	30.1	14 11 . .			
32	α^2 Libræ	11	45	26.11	— 0.46	— 4.62	305 23 59.85	31.530	— 1 18.5	28.2	14 45 . .			
33	β Libræ	11	11	42.95	— 0.42	— 4.60	312 2 4.48	28.250	— 1 0.8	31.2	15 11 . .			
34	β Andromedæ . . .	11	4	11.53	— 0.25	— 4.59	356 6 2.50	30.419	— 3.8	[27.4]	1 4 . .			
35	α Ursæ Minoris . .	8	22	5.80	+ 3.46	[— 3.85]	49 46 4.38	29.816	+ 1 6.2	[28.8]	1 22 . .			
36	σ Piscium	11	40	10.44	— 0.32	— 4.62	329 40 . .				1 40 . .			
June 18, La.														
37	α Ceti	11	57	6.43	— 0.34	— 4.61	324 42 11.28	32.648	— 39.0	28.5	2 57 . .			
38	η Tauri	11	41	35.35	— 0.27	— 4.69	344 48 22.12	31.130	— 14.9	28.5	3 41 . .			
39	Venus I, C.	6	11	20.01	— 0.30	— 4.63	340 54 12.22	29.914	— 18.9	27.6	4 11 15.08	+ 0.34	+ 19 52 50.6	
40	Venus II	5	11	20.76	— 0.30	— 4.63					4 11 15.83	— 0.41		
41	α Tauri	11	30	13.80	— 0.33	— 4.56	337 20 13.65	29.100	— 22.8	26.6	4 30 . .			
42	ι Aurigæ	10	50	31.38	— 0.24	— 4.64	354 2 . .				4 50 . .			
June 19, La.														
43	Sun I, N.	10	50	51.46	— 0.31	— 4.63	344 44 11.10	28.095	— 14.8	26.4	5 50 46.52	+ 69.02	+ 23 42 2.8	
44	Sun II, S.	11	53	9.50	— 0.31	— 4.63	344 12 7.02	29.230	— 15.4	26.4	5 53 4.56	— 69.02	+ 23 10 30.6	
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d	h m	in.	°	°					' "	' "	"	' "		
15	4 27	29.88	76.2	72.1	1, 5, 31, 44.			4	+	2.3	— 15 45.0		— 15 42.7	
16	5 40	29.89	75.2	72.0	2, 15, 28, 35.			5	+	2.3	+ 15 45.1		+ 15 47.4	
	7 11	29.88	76.7	73.1	4, 43.			10	+ 38	53.3	— 15 5.8		+ 23 47.5	
	7 53	29.87	76.7	73.1	10.			16	+	0.4			+ 0.4	
	11 39	29.93	72.0	68.0	21.			21	+	0.9	+ 10.2		+ 11.1	
	12 34	29.94	67.5	64.9	22.			22	+	0.9	— 10.2		— 9.3	
	13 30	29.95	65.0	61.8	29.			29	+ 46	10.2	— 15 31.3		+ 30 38.9	
	16 7	29.98	60.0	57.5	38.			39	+	1.9		— 0.1	+ 1.8	
	17 27	29.985	58.5	56.1				43	+	2.3	— 15 46.1		— 15 43.8	
	18 32	29.875	75.0	73.9				44	+	2.3	+ 15 46.1		+ 15 48.4	
	13 31	29.86	71.2	69.4										
	14 52	29.855	68.0	66.3										
	15 19	29.85	66.8	64.7										
	1 8	29.845	66.5	67.2										
	3 0	29.87	73.8	74.8										
	4 14	29.88	80.6	77.9										
	4 53	29.88	81.2	79.6										
19	5 53	29.87	82.0	81.1										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Mercury C, C.	11	18 33.75	-0.32	-4.63	345 58 12.22	29.875	-13.5	26.1	6 18 28.80	+0.01	+24 56 56.4	..
2	α Canis Minoris	10	34 7.39	-0.47	-4.64	326 30 10.52	30.665	-35.8	[27.0]	7 34 ..	..	..	..
3	β Geminorum	9	39 14.75	-0.30	-4.66	349 16 15.00	32.130	-10.2	23.4	7 39 ..	..	..	..
4	ε Leonis	11	40 14.13	-0.35	-4.68	345 16 20.05	28.102	-14.2	24.3	9 40 ..	..	..	..
5	α Leonis	11	3 6.63	-0.46	-4.59	333 30 17.93	27.007	-27.0	24.6	10 3 ..	..	..	..
6	γ ¹ Leonis	11	14 31.40	-0.40	-4.63	341 22 16.42	29.961	-18.2	24.0	10 14 ..	..	..	..
7	α Ursæ Minoris s. p.	11	22 36.64	-26.09	[-4.58]	52 14 11.92	29.018	+1 10.8	[26.2]	1 22 ..	..	..	..
8	η Bootis	11	50 0.36	-0.35	-4.46	339 56 21.90	28.001	-20.0	25.5	13 49 ..	..	..	..
9	α Bootis	11	11 11.06	-0.34	-4.41	340 44 10.22	28.885	-19.2	25.8	14 11 ..	..	..	..
10	Moon I, N.	11	31 45.24	-0.90	-4.45	301 19 59.92	32.138	-1 29.9	26.1	14 31 39.89	+69.43	-19 41 27.6	..
11	ε Bootis	11	40 42.42	-0.23	-4.49	348 32 0.00	28.078	-11.1	26.8	14 40 ..	..	..	..
12	α ² Libræ	11	45 26.25	-0.81	-4.41	305 24 4.00	31.240	-1 17.2	25.3	14 45 ..	..	..	..
13	δ Scorpii	11	54 31.15	-0.89	-4.52	298 42 12.30	30.381	-1 40.3	25.8	15 54 ..	..	..	..
14	β ¹ Scorpii	11	59 43.33	-0.95	-4.53	301 30 7.00	30.852	-1 29.8	24.0	15 59 ..	..	..	..
15	Uranus C, C.	11	12 47.28	-0.87	-4.54	299 58 15.60	31.606	-1 35.4	25.0	16 12 41.87	..	-21 3 31.4	..
16	α Scorpii	11	23 22.69	-0.95	-4.55	294 50 14.50	30.112	-1 58.7	24.7	16 23 ..	..	..	..
17	ε Ophiuchi	11	31 45.03	-0.71	-4.56	310 40 7.40	30.096	-1 4.3	25.6	16 31 ..	..	..	..
18	β Ceti	11	38 38.55	-0.69	-4.49	302 30 10.40	30.341	-1 26.7	[26.2]	0 38 ..	..	..	..
19	β Andromedæ	10	4 11.38	-0.38	-4.27	356 6 2.68	30.340	-3.7	[25.4]	1 4 ..	..	..	..
20	α Ursæ Minoris June 19, Br.	11	21 59.00	+11.39	[-3.85]	49 46 ..	..	..	..	1 22 ..	..	..	..
21	γ Persei	5	47 53.42	-0.16	-4.67	352 36 3.85	30.148	-7.0	24.3	3 47 ..	..	..	..
22	α Tauri	8	30 13.94	-0.35	-4.67	337 20 8.38	29.115	-22.5	22.2	4 30 ..	..	..	..
23	β Orionis June 20, Br.	11	9 47.33	-0.63	-4.70	312 42 6.58	31.489	-58.2	20.6	5 9 ..	..	..	..
24	Sun I, S.	11	55 0.75	-0.26	-4.63	344 12 3.32	30.508	-15.1	22.4	5 54 55.86	+69.07	+23 11 7.5	..
25	Sun II, N.	11	57 18.89	-0.26	-4.63	344 44 3.70	29.635	-14.6	22.4	5 57 14.00	-69.07	+23 42 43.6	..
26	Mercury C, C.	11	27 58.73	-0.24	-4.61	345 58 5.12	30.276	-13.3	22.4	6 27 53.88	+0.01	+24 57 4.5	..
27	α Canis Majoris	11	40 47.91	-0.73	-4.55	304 28 3.45	28.848	-1 17.7	[23.7]	6 40 ..	..	..	..
28	β Geminorum	11	39 14.58	-0.20	-4.59	349 18 3.78	28.277	-10.1	22.5	7 39 ..	..	..	..
29	α Hydræ	11	22 44.53	-0.99	-4.53	312 47 59.42	30.330	-57.5	[8.7]	9 22 ..	..	..	..
30	α Ursæ Minoris s. p.	11	22 54.73	-41.47	[-6.16]	52 13 55.45	29.179	+1 9.8	[13.4]	1 22 ..	..	..	..
31	η Bootis	11	50 0.30	-0.53	-4.23	339 55 55.95	28.334	-19.7	10.3	13 49 ..	..	..	..
32	β Libræ	11	11 43.10	-1.03	-4.15	312 0 2.48	31.828	-1 0.2	11.6	15 11 ..	..	..	..
33	μ ¹ Bootis	8	20 48.07	-0.11	-4.30	358 43 54.85	31.490	-1.1	12.8	15 20 ..	..	..	..
34	Moon I, N.	11	31 16.36	-1.35	-4.26	298 16 0.80	36.538	-1 40.5	12.0	15 31 10.75	+72.17	-22 43 16.4	..
35	ε Serpentis	11	45 55.42	-0.78	-4.22	325 47 56.62	30.449	-37.0	13.0	15 45 ..	..	..	..
36	Saturn I, S.	6	15 43.33	-1.25	-4.37	299 27 56.05	28.242	-1 36.2	12.0	17 15 37.71	+0.74	-21 35 14.5	..
37	Saturn II, N.	5	15 44.81	-1.25	-4.37	299 27 56.05	28.912	-1 36.2	12.0	17 15 39.19	-0.74	-21 34 55.6	..
38	α Ophiuchi	11	30 23.38	-0.62	-4.36	333 39 58.88	28.339	-27.0	12.7	17 30 ..	..	..	..
39	α Lyræ	11	33 39.08	-0.09	-4.46	359 41 56.72	30.408	-0.2	11.7	18 33 ..	..	..	..
40	β Lyræ	11	46 29.15	-0.22	-4.47	354 15 55.28	29.278	-5.4	11.7	18 46 ..	..	..	..
41	β Andromedæ	10	4 11.17	-0.19	[-4.21]	356 5 58.78	30.087	-3.7	[14.2]	1 4 ..	..	..	..
42	α Ursæ Minoris June 21, S	7	21 38.64	+33.17	[-4.14]	49 45 57.22	29.629	+1 4.9	[15.0]	1 22 ..	..	..	..
43	β Virginis	11	4 50.83	-0.88	[-3.85]	316 2 10.58	28.621	-52.6	[22.7]	13 4 ..	..	..	..
44	α Ursæ Minoris s. p.	8	22 56.99	-44.96	[-3.80]	52 14 10.35	28.963	+1 10.7	[22.9]	1 22 ..	..	..	..
45	ε Serpentis	11	45 54.91	-0.65	-3.84	325 48 7.22	30.498	-37.5	24.4	15 45 ..	..	..	..
46	δ Scorpii	11	54 30.72	-1.12	-3.85	298 42 10.92	30.486	-1 40.6	27.1	15 54 ..	..	..	..
47	β ¹ Scorpii	11	59 42.77	-1.06	-3.86	301 30 10.00	30.786	-1 29.9	25.5	15 59 ..	..	..	..
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d	h m	in.	°	°					' "	' "	"	' "	
19	6 20	29.855	83.0	82.5	1, 2, 3, 11, 19, 21, 22, 25, 33.			I	+	1.6	0.0	+ 1.6	
	7 43	29.83	84.4	83.7	4.			10	+49	9.4	-15 46.4	+33 23.0	
	10 5	29.81	85.8	83.6	5.			15	+	0.4	..	+ 0.4	
	13 18	29.81	79.8	77.3	7, 30, 42, 44.			24	+	2.3	+15 48.0	+15 50.3	
	14 48	29.81	75.8	74.3	10.			25	+	2.3	-15 48.1	-15 45.8	
	16 2	29.81	74.2	72.6	24.			26	+	1.6	..	+ 1.6	
	17 13	29.81	72.0	70.7	28, 32, 41.			34	+51	29.9	-16 1.5	+35 28.4	
	0 39	29.755	70.2	70.6	34.			36	+	0.9	+ 9.4	+ 10.3	
	1 17	29.775	72.0	72.6	36.			37	+	0.9	- 9.5	- 8.6	
	3 44	29.79	83.5	81.4									
	4 38	29.75	85.5	84.6									
	5 1	29.78	86.5	84.9									
	5 57	29.78	87.8	88.5									
	6 48	29.76	88.5	88.4									
	7 47	29.755	91.5	90.1									
	9 32	29.72	91.5	88.9									
	13 44	29.68	83.5	81.3									
	15 17	29.70	80.5	78.9									
	15 53	29.70	79.5	77.9									
	17 38	29.705	78.0	76.8									
	18 55	29.69	77.0	76.1									
	1 33	29.77	77.0	75.7									
	2 0	29.78	77.0	75.1									
21	13 29	29.83	80.0	78.1									
	15 0	29.865	77.0	75.5									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Uranus C, C.	11	12 28.35	- 1.09	- 3.83	300 0 7.62	29.292	- 1 35.5	25.6	16 12 23.43	.	- 21 2 46.0	.
2	α Scorpii	11	23 22.15	- 1.18	- 3.77	294 50 9.20	30.351	- 1 59.1	25.9	16 23 .	.	.	.
3	Moon I, N.	11	34 57.34	- 1.16	- 3.82	296 40 3.18	30.513	- 1 49.8	25.6	16 34 52.36	+74.28	- 24 22 30.1	.
4	α ² Herculis	11	10 10.37	- 0.46	- 3.79	335 32 11.68	28.865	- 25.3	23.9	17 10 .	.	.	.
5	Saturn I, S.	5	15 24.23	- 1.05	- 3.81	299 28 9.70	28.782	- 1 38.1	25.6	17 15 19.37	+ 0.66	- 21 35 0.9	.
6	Saturn II, N.	5	15 25.55	- 1.05	- 3.81	299 28 9.70	29.492	- 1 38.1	25.6	17 15 20.69	- 0.66	- 21 34 40.9	.
7	β Ophiuchi	11	20 21.45	- 1.10	- 3.83	296 58 9.20	29.225	- 1 48.8	26.7	17 20 .	.	.	.
8	β Andromedæ	11	4 10.68	- 0.19	- 3.69	356 5 58.65	30.435	- 3.8	[23.7]	1 4 .	.	.	.
9	α Ursæ Minoris	8	21 49.05	+25.02	[- 5.28]	49 46 4.08	29.646	+ 1 6.6	[24.2]	1 22 .	.	.	.
10	o Piscium	10	40 9.78	- 0.54	- 3.65	329 40 12.82	30.948	- 32.8	[24.5]	1 40 .	.	.	.
June 21, L.													
11	α Ceti	11	57 5.94	- 0.58	- 3.80	324 42 11.75	32.540	- 39.5	24.9	2 57 .	.	.	.
12	ζ Persei	11	47 52.71	- 0.22	- 3.85	352 36 16.10	29.720	- 7.2	24.2	3 47 .	.	.	.
13	Venus N.	.	.	.	.	341 36 12.12	33.692	- 18.4	24.0	.	.	+ 20 36 42.3	.
14	Venus II, S.	5	25 30.16	- 0.37	- 3.80	341 36 12.12	33.235	- 18.4	24.0	4 25 25.99	- 0.39	+ 20 36 29.1	.
15	α Tauri	11	30 13.13	- 0.42	- 3.74	337 20 8.60	29.195	- 23.2	23.7	4 30 .	.	.	.
16	ι Aurigæ	11	50 30.61	- 0.20	- 3.85	354 2 8.00	28.502	- 5.8	23.4	4 50 .	.	.	.
June 22, L.													
17	Sun I, S.	11	3 19.16	- 0.33	- 3.77	344 12 2.45	30.452	- 15.5	24.0	6 3 15.06	+68.95	+ 23 11 2.9	.
18	Sun II, N.	11	5 37.06	- 0.33	- 3.77	344 44 0.82	29.608	- 15.0	24.0	6 5 32.96	-68.95	+ 23 42 38.0	.
19	Mercury C, C.	11	46 25.98	- 0.35	- 3.75	345 50 11.05	30.496	- 13.9	24.0	6 46 21.88	+ 0.01	+ 24 49 14.5	.
20	α ² Geminorum	9	28 15.03	- 0.22	- 3.79	353 8 10.45	28.815	- 6.6	23.1	7 28 .	.	.	.
21	α Canis Minoris	11	34 6.66	- 0.60	- 3.77	326 30 20.00	30.288	- 36.3	24.9	7 34 .	.	.	.
22	β Geminorum	9	39 13.79	- 0.29	- 3.70	349 18 11.35	28.066	- 10.3	23.8	7 39 .	.	.	.
23	α Hydræ	11	22 43.49	- 0.85	- 3.64	312 48 9.50	30.579	- 58.9	24.2	9 22 .	.	.	.
24	θ Virginis	11	4 50.49	- 0.85	[- 3.55]	316 2 11.95	28.702	- 53.2	[25.7]	13 4 .	.	.	.
25	α Ursæ Minoris s. p.	8	22 50.10	- 37.29	[- 3.48]	52 14 4.85	29.159	+ 1 11.6	[23.8]	1 22 .	.	.	.
26	Uranus C, C.	11	12 19.03	- 1.03	- 3.52	300 0 13.05	29.944	- 1 36.6	26.8	16 12 14.48	.	- 21 2 24.3	.
27	α Scorpii	11	23 21.77	- 1.12	- 3.45	294 50 9.48	30.414	- 2 0.3	26.8	16 23 .	.	.	.
28	κ Ophiuchi	11	53 0.93	- 0.56	- 3.49	330 34 12.15	28.255	- 31.7	25.9	16 52 .	.	.	.
29	Saturn I, N.	6	15 5.51	- 1.00	- 3.49	299 28 12.28	29.955	- 1 39.0	26.8	17 15 1.02	+ 0.69	- 21 34 27.2	.
30	Saturn II, S.	5	15 6.89	- 1.00	- 3.49	299 28 12.28	29.240	- 1 39.1	26.8	17 15 2.40	- 0.69	- 21 34 47.5	.
31	β Ophiuchi	11	20 21.05	- 1.05	- 3.47	296 58 10.90	29.282	- 1 49.9	28.7	17 20 .	.	.	.
32	α Ophiuchi	11	30 22.42	- 0.50	- 3.50	333 40 11.88	28.434	- 27.8	27.2	17 30 .	.	.	.
33	Moon I, S.	11	41 18.87	- 1.07	- 3.48	296 10 17.32	28.850	- 1 53.9	26.8	17 41 14.32	+75.16	- 24 53 8.6	.
34	γ ² Sagittarii	11	59 28.58	- 1.14	- 3.55	290 38 10.05	29.480	- 2 28.0	25.5	17 59 .	.	.	.
35	β Andromedæ	11	4 10.53	- 0.21	[- 3.48]	356 6 7.75	30.138	- 3.8	[24.2]	1 4 .	.	.	.
36	α Ursæ Minoris	8	21 50.68	+23.32	[- 4.13]	49 46 6.05	29.607	+ 1 6.4	[25.0]	1 22 .	.	.	.
June 22, K.													
37	Venus II, C.	11	30 35.04	- 0.35	- 3.24	341 52 10.25	28.181	- 18.0	22.0	4 30 31.45	- 0.39	+ 20 50 5.8	.
38	ι Aurigæ	8	50 29.98	- 0.16	- 3.24	354 2 12.48	28.285	- 5.7	22.0	4 50 .	.	.	.
39	β Orionis	11	9 46.03	- 0.76	- 3.22	312 42 8.12	31.539	- 59.3	21.9	5 9 .	.	.	.
40	β Tauri	11	19 59.45	- 0.24	- 3.21	349 32 12.00	30.434	- 10.1	21.2	5 19 .	.	.	.
June 23, K.													
41	Sun I, N.	11	7 28.01	- 0.33	- 3.20	344 44 9.82	27.802	- 14.9	22.0	6 7 24.48	+69.00	+ 23 41 57.4	.
42	Sun II, S.	11	9 45.99	- 0.33	- 3.19	344 12 15.48	28.712	- 15.4	22.0	6 9 42.47	-68.99	+ 23 10 28.8	.
43	Mercury I, C.	11	55 26.46	- 0.32	- 3.17	345 42 5.25	31.140	- 13.8	22.0	6 55 22.97	+ 0.19	+ 24 41 29.2	.
44	α Canis Minoris	11	34 6.11	- 0.64	- 3.17	326 30 5.38	30.695	- 35.9	22.3	7 34 .	.	.	.
45	β Geminorum	11	39 13.21	- 0.27	- 3.14	349 18 7.70	28.130	- 10.2	22.4	7 39 .	.	.	.
46	θ Virginis	11	4 49.95	- 0.98	[- 2.89]	316 2 8.15	28.678	- 52.6	[21.8]	13 4 .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
21 16 29	29.895	73.8	71.9	3, 33.	Bisections at II, III, IV, V, VI.	1	+ 0.4	.	.	+ 0.4
17 30	29.90	71.8	69.7	5, 14, 30.	Bisections at I, VII.	3	+53 2.5	-16 15.4	.	+36 47.1
1 6	30.00	67.8	66.6		Bisections at II, VI.	5	+ 0.9	+ 10.0	.	+ 10.9
1 45	30.01	69.0	68.1	6, 12, 13, 29.	Bisections at VI, VII.	6	+ 0.9	- 10.0	.	- 9.1
3 25	30.03	73.0	70.9	7, 18, 35, 38, 42, 45.	Bisections at II, VI, VII.	13	+ 1.8	6.6	.	- 4.8
4 32	30.05	78.0	73.2		Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	14	+ 1.8	+ 6.6	0.0	+ 8.4
6 5	30.05	80.5	79.2	8, 11.	Bisections at I, II.	17	+ 2.3	+15 47.6	.	+15 49.9
6 48	30.04	80.2	77.9	9, 25.	Bisections at C ₃ , C ₄ , C ₅ .	18	+ 2.3	-15 47.5	.	-15 45.2
7 41	30.04	82.8	80.5	17, 41.		19	+ 1.7	.	0.0	+ 1.7
9 25	30.02	84.7	81.9	36.		26	+ 0.4	.	.	+ 0.4
13 8	30.01	78.5	75.8			29	+ 0.9	- 10.1	.	- 9.2
13 28	30.01	77.2	74.9			30	+ 0.9	+ 10.2	.	+ 11.1
16 14	30.03	71.0	69.0			33	+53 53.1	+16 26.4	.	+70 19.5
16 55	30.04	70.5	67.8			37	+ 1.7	.	0.1	+ 1.6
17 52	30.05	69.5	67.4			41	+ 2.3	-15 44.3	.	-15 42.0
1 17	30.08	70.2	69.9			42	+ 2.3	+15 44.3	.	+15 46.6
4 19	30.09	80.5	79.3			43	+ 1.7	.	0.0	+ 1.7
5 29	30.095	82.6	81.5							
6 9	30.09	84.2	83.5							
6 57	30.08	85.0	84.6							
7 42	30.07	86.4	87.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.				
			m	s	Instru- ment.	Clock.									°	'	''	rev.
1	α Ursæ Minoris S. P.	6	23	0.54	-44.74	[-5.42]	52 14 5.30	29.118	+ 1 10.8	[22.4]	1 22 . . .	. . .	. . .	. . .				
2	δ Scorp̃ii	11	54	29.89	-1.28	-2.86	298 42 6.85	30.498	- 1 40.9	23.2	15 54 . . .	. . .	. . .	. . .				
3	Uranus C. C.	11	12	9.67	-1.24	-2.89	300 0 11.90	30.630	- 1 35.9	22.0	16 12 5.54	. . .	- 21 2 0.3	. . .				
4	α Scorp̃ii	11	23	21.42	-1.35	-2.87	294 50 7.18	30.261	- 1 59.3	21.1	16 23 . . .	. . .	. . .	. . .				
5	α ¹ Herculis	11	10	9.65	-0.58	-2.94	335 32 9.58	28.875	- 25.3	21.7	17 10 . . .	. . .	. . .	. . .				
6	Saturn I, S.	6	14	46.90	-1.22	-2.89	299 28 7.02	29.765	- 1 38.2	22.0	17 14 42.79	+ 0.69	- 21 34 32.1	. . .				
7	Saturn II, N.	5	14	48.27	-1.22	-2.89	299 28 7.02	30.408	- 1 38.2	22.0	17 14 44.16	- 0.68	- 21 34 14.0	. . .				
8	β Ophiuchi	11	20	20.70	-1.28	-2.88	296 58 6.40	29.180	- 1 48.9	22.3	17 20 . . .	. . .	. . .	. . .				
9	ι Aquilæ	11	29	50.57	-0.96	-2.90	312 42 8.55	31.956	- 1 0.4	21.1	18 29 . . .	. . .	. . .	. . .				
10	α Lyrae	11	33	37.50	-0.08	-2.89	359 42 4.55	30.550	- 0.2	22.8	18 33 . . .	. . .	. . .	. . .				
11	Moon II, N.	11	50	29.21	-1.25	-2.90	298 34 6.02	29.358	- 1 42.2	22.0	18 50 25.06	-74.62	- 22 28 49.0	. . .				
12	β Andromedæ	11	4	9.85	-0.20	[-2.77]	356 6 6.80	30.084	- 3.7	[21.7]	1 4 . . .	. . .	. . .	. . .				
13	α Ursæ Minoris	7	21	41.40	+35.28	[-5.79]	49 46 11.05	29.366	+ 1 4.5	[20.9]	1 22 . . .	. . .	. . .	. . .				
	June 23, B.																	
14	α Tauri	7	30	12.23	-0.54	-2.68	337 20 6.15	29.112	- 22.7	19.3	4 30 . . .	. . .	. . .	. . .				
15	ι Aurigæ	11	50	29.54	-0.20	-2.73	354 2 5.68	28.460	- 5.6	20.1	4 50 . . .	. . .	. . .	. . .				
16	β Orionis	11	9	45.76	-0.98	-2.71	312 42 7.45	31.410	- 58.6	18.1	5 9 . . .	. . .	. . .	. . .				
17	β Tauri	11	19	58.96	-0.31	-2.63	349 31 59.90	30.775	- 10.0	18.9	5 19 . . .	. . .	. . .	. . .				
	June 24, B.																	
18	Sun I, S.	11	11	36.93	-0.43	-2.62	344 10 11.65	30.612	- 15.2	19.5	6 11 33.88	+68.94	+ 23 9 21.5	. . .				
19	Sun II, N.	11	13	54.80	-0.43	-2.61	344 42 10.22	29.748	- 14.7	19.5	6 13 51.76	-68.94	+ 23 40 56.2	. . .				
20	Mercury C, C.	11	4	17.79	-0.42	-2.56	345 32 7.35	30.541	- 13.8	19.5	7 4 14.81	+ 0.02	+ 24 31 16.7	. . .				
21	α Canis Minoris	10	34	5.60	-0.83	-2.47	326 30 9.98	30.491	- 35.4	21.5	7 34 . . .	. . .	. . .	. . .				
22	β Geminorum	11	39	12.75	-0.34	-2.61	349 18 6.50	28.109	- 10.1	20.5	7 39 . . .	. . .	. . .	. . .				
23	α Hydræ	11	22	42.57	-1.17	-2.41	312 48 4.02	30.549	- 57.6	19.1	9 22 . . .	. . .	. . .	. . .				
24	α Leonis	11	3	4.69	-0.75	-2.40	333 30 2.75	27.328	- 26.6	18.8	10 3 . . .	. . .	. . .	. . .				
25	ι Virginis	11	4	49.62	-1.15	-2.40	316 1 59.05	28.930	- 52.0	[20.4]	13 4 . . .	. . .	. . .	. . .				
26	α Ursæ Minoris S. P.	11	23	12.18	-59.26	[-1.54]	52 13 57.28	29.358	+ 1 9.9	[20.4]	1 22 . . .	. . .	. . .	. . .				
27	η Bootis	11	49	58.53	-0.57	-2.46	339 56 0.22	28.540	- 19.8	[19.9]	13 49 . . .	. . .	. . .	. . .				
28	δ Scorp̃ii	11	54	29.64	-1.51	-2.38	298 41 59.45	30.665	- 1 39.7	21.7	15 54 . . .	. . .	. . .	. . .				
29	δ Ophiuchi	11	9	10.35	-1.05	-2.41	317 36 2.30	29.169	- 50.1	[26.8]	16 9 . . .	. . .	. . .	. . .				
30	Uranus C. C.	10	12	0.57	-1.47	-2.36	300 0 4.40	31.625	- 1 34.7	21.9	16 11 56.74	. . .	- 21 1 38.2	. . .				
31	ζ Ophiuchi	11	31	43.28	-1.20	-2.31	310 40 0.65	30.209	- 1 3.9	22.1	16 31 . . .	. . .	. . .	. . .				
32	κ Ophiuchi	11	52	59.97	-0.75	-2.33	330 33 58.98	28.565	- 31.0	22.0	16 52 . . .	. . .	. . .	. . .				
33	δ Aquilæ	11	20	31.35	-0.88	-2.30	323 55 57.80	31.109	- 40.2	22.1	19 20 . . .	. . .	. . .	. . .				
34	γ Aquilæ	11	41	34.20	-0.71	-2.37	331 24 4.42	28.884	- 30.1	21.8	19 41 . . .	. . .	. . .	. . .				
35	Moon II, N.	11	55	11.89	-1.40	-2.33	302 6 1.88	26.938	- 1 27.9	21.9	19 55 8.16	-72.99	- 18 57 47.6	. . .				
	June 25, S.																	
36	π Capricorni	7	21	39.40	-1.12	-1.75	302 30 6.48	29.843	- 1 28.1	21.2	20 21 . . .	. . .	. . .	. . .				
37	μ Aquarii	11	47	18.84	-0.98	-1.66	311 40 6.25	30.765	- 1 3.2	22.8	20 47 . . .	. . .	. . .	. . .				
38	Moon II, N.	11	56	38.61	-1.09	-1.69	306 54 7.32	28.404	- 1 14.9	22.4	20 56 35.83	-70.91	- 14 8 47.9	. . .				
39	β Aquarii	11	26	20.69	-0.93	-1.65	315 0 3.80	32.381	- 56.3	23.3	21 26 . . .	. . .	. . .	. . .				
40	ε Aquarii	11	32	28.76	-0.96	-1.69	312 42 6.78	33.461	- 1 1.0	22.2	21 32 . . .	. . .	. . .	. . .				
	June 25, Ia.																	
41	ζ Persei	5	47	50.96	-0.35	-1.85	352 36 . . .	. . .	. . .	. . .	3 47 . . .	. . .	. . .	. . .				
	June 26, Ia.																	
42	Sun S.						344 6 6.28	32.290	- 15.6	19.3	. . .	. . .	+ 23 6 2.9	. . .				
43	Sun II, N.	11	22	12.19	-0.50	-1.71	344 38 5.15	31.270	- 15.1	19.3	6 22 9.98	-68.92	+ 23 37 34.3	. . .				
44	Mercury C. C.	11	21	28.24	-0.50	-1.65	345 6 1.68	28.582	- 14.6	19.3	7 21 26.09	+ 0.02	+ 24 4 14.6	. . .				
45	α Canis Minoris.	11	34	4.77	-0.81	-1.65	326 30 6.82	30.716	- 36.2	[23.9]	7 34 . . .	. . .	. . .	. . .				

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.			
d h m	in.	°					' "	' "	"	' "			
23 13 7	30.025	83.2	81.9	1, 13, 26.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	3	+	0.4	.	+	0.4		
16 0	30.04	74.8	73.9	6.	Bisections at I, VII.	6	+	0.9	+	9.0	+	9.9	
17 23	30.04	72.8	72.0										
18 46	30.05	71.6	70.7	7.	Bisections at II, VI.	7	+	0.9	-	9.1	.	-	8.2
1 1	30.02	73.2	74.7	10.	Bisection at VI.	11	+	53 4.8	-16 33.3	.	+	36 31.5	
4 27	30.03	85.2	83.9	11, 35, 38.	Bisections at II, III, IV, V, VI.	18	+	2.3	+15 47.4	.	+	15 49.7	
5 22	30.03	87.0	86.5										
24 6 13	30.02	89.4	89.6	14, 30.	Bisections at II, VI, VII.	19	+	2.3	-15 47.3	.	-	15 45.0	
7 0	30.01	91.2	91.4	18.	Bisections at I, II.	20	+	1.7	.	0.0	+	1.7	
7 20	30.00	91.8	91.7	19, 43.	Bisections at VI, VII.	30	+	0.4	.	.	+	0.4	
7 48	29.99	92.6	92.3	36.	Bisections at I, II, VII.	35	+	51 17.9	-16 35.3	.	+	34 42.6	
9 20	29.94	93.8	92.3	42.	Bisection at II.	38	+	48 15.6	-16 32.6	.	+	31 43.0	
10 10	29.92	94.0	92.7			42	+	2.3	+15 45.7	.	+	15 48.0	
13 6	29.92	88.2	86.9			43	+	2.3	-15 45.7	.	-	15 43.4	
13 52	29.92	85.2	83.9			44	+	1.8	.	0.0	+	1.8	
15 51	29.93	79.8	78.2										
16 37	29.93	78.3	76.9										
17 17	29.93	77.6	75.9										
19 18	29.91	75.8	74.2										
20 8	29.91	75.0	73.7										
25 20 19	29.90	66.5	64.3										
21 46	29.905	65.2	63.3										
26 6 22	29.995	80.5	78.1										
7 18	29.99	81.8	79.5										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	β Geminorum . . .	11	m s 39 12.00	s - 0.43	[- 1.76]	349 18 0.78	28.287	- 10.3	19.8	h m s 7 39 .	s	° ' "	" "
2	α Hydræ . . .	11	22 41.56	- 1.10	- 1.48	327 47 59.65	30.799	- 58.8	20.3	9 22 .	.	.	.
3	α Leonis . . .	11	3 3.76	- 0.75	- 1.49	333 30 8.22	27.161	- 27.2	18.8	10 3 .	.	.	.
4	γ^1 Leonis . . .	11	14 28.47	- 0.61	- 1.55	341 22 3.75	30.214	- 18.4	18.2	10 14 .	.	.	.
5	α Ursæ Minoris s. p. .	7	23 0.49	- 47.95	[+ 0.75]	52 14 7.32	28.945	+ 1 11.1	[19.9]	1 22 .	.	.	.
6	ζ Virginis . . .	11	29 38.16	- 0.95	- 1.48	320 56 9.58	31.008	- 44.6	[21.9]	13 29 .	.	.	.
7	η Bootis . . .	11	49 57.43	- 0.57	- 1.38	339 55 54.58	28.854	- 20.1	[22.6]	13 49 .	.	.	.
8	δ Scorpii . . .	11	54 28.43	- 1.38	- 1.30	298 41 57.12	30.680	- 1 41.0	18.5	15 54 .	.	.	.
9	β^1 Scorpii . . .	11	59 40.50	- 1.31	- 1.34	301 29 57.00	31.082	- 1 30.2	20.6	15 59 .	.	.	.
10	Uranus C, C. . .	11	11 42.17	- 1.34	- 1.31	300 2 0.92	28.971	- 1 35.7	20.4	16 11 39.52	.	21 ° 56.8	.
11	α Scorpii . . .	11	23 19.96	- 1.45	- 1.30	294 50 2.15	30.415	- 1 59.2	20.7	16 23 .	.	.	.
12	ζ Ophiuchi . . .	11	31 42.19	- 1.11	- 1.30	310 39 53.85	30.479	- 1 4.6	22.0	16 31 .	.	.	.
13	ϵ Pegasi . . .	11	39 18.79	- 0.69	- 1.23	330 26 7.28	30.488	- 31.8	21.8	21 39 .	.	.	.
14	Moon II, N. . .	11	54 41.11	- 1.00	- 1.26	312 32 2.48	30.599	- 1 1.1	21.4	21 54 38.85	- 68.98	- 8 29 35.5	.
15	α Aquarii . . .	11	0 41.28	- 0.85	- 1.26	320 12 5.75	32.574	- 46.7	21.9	22 0 .	.	.	.
16	θ Aquarii . . .	11	11 35.89	- 0.96	- 1.28	312 44 1.92	32.099	- 1 0.7	20.5	22 11 .	.	.	.
17	π Aquarii . . .	11	20 12.45	- 0.81	- 1.26	321 54 6.08	29.334	- 44.0	21.4	22 20 .	.	.	.
18	α Andromedæ . . .	11	3 14.36	- 0.35	- 1.35	349 32 9.28	32.212	- 10.3	[23.5]	0 3 .	.	.	.
19	β Andromedæ . . .	11	4 8.66	- 0.22	- 1.45	356 6 7.55	30.045	- 3.8	[24.6]	1 4 .	.	.	.
20	α Ursæ Minoris . . .	11	21 40.73	+ 35.21	[- 2.18]	49 46 8.55	29.432	+ 1 6.1	[21.9]	1 22 .	.	.	.
June 27, Ei.													
21	δ Scorpii . . .	11	54 28.12	- 1.34	- 1.04	298 42 7.92	30.392	- 1 40.9	21.2	15 54 .	.	.	.
22	β^1 Scorpii . . .	11	59 40.21	- 1.28	- 1.08	301 30 8.65	30.725	- 1 30.3	22.0	15 59 .	.	.	.
23	Uranus C, C. . .	11	11 33.42	- 1.31	- 1.05	300 2 7.55	29.518	- 1 35.7	21.0	16 11 31.06	.	21 ° 35.2	.
24	α Scorpii . . .	11	23 19.64	- 1.42	- 1.01	294 50 4.98	30.320	- 1 59.3	20.7	16 23 .	.	.	.
25	ζ Ophiuchi . . .	10	31 41.93	- 1.10	- 1.05	310 40 7.00	30.000	- 1 4.6	21.6	16 31 .	.	.	.
26	κ Ophiuchi . . .	11	52 58.72	- 0.75	- 1.07	330 34 7.48	28.228	- 31.4	20.0	16 52 .	.	.	.
27	Saturn I. . .	3	13 33.31	- 1.31	- 1.04	299 30 .	.	.	.	17 13 30.96	+ 0.67	.	.
28	Saturn II . . .	3	13 34.65	- 1.31	- 1.04	.	.	.	.	17 13 32.30	- 0.67	.	.
29	α Ophiuchi . . .	11	30 20.16	- 0.69	- 1.03	333 40 5.22	28.458	- 27.6	20.4	17 30 .	.	.	.
30	μ Sagittarii . . .	11	7 50.15	- 1.30	- 1.01	299 58 4.35	28.619	- 1 36.4	21.7	18 7 .	.	.	.
31	η Serpentis . . .	11	16 10.97	- 0.96	- 1.04	318 6 3.62	30.416	- 50.0	20.7	18 16 .	.	.	.
32	π Aquarii . . .	11	20 12.22	- 0.91	- 0.90	321 54 5.10	29.397	- 43.9	22.1	22 20 .	.	.	.
33	η Aquarii . . .	11	30 15.06	- 0.93	- 0.90	320 22 8.62	33.232	- 46.3	22.2	22 30 .	.	.	.
34	Moon II, N. . .	11	49 57.89	- 0.99	- 0.89	318 34 6.38	30.792	- 49.4	21.6	22 49 56.01	- 67.57	2 27 43.1	.
35	α Pegasi . . .	11	59 48.37	- 0.68	- 0.92	335 40 7.10	32.346	- 25.3	21.1	22 59 .	.	.	.
36	θ Piscium . . .	11	22 55.25	- 0.83	- 0.84	326 52 3.60	28.216	- 36.6	20.8	23 22 .	.	.	.
37	β Andromedæ . . .	11	4 8.23	- 0.28	[- 0.92]	356 6 6.70	30.071	- 3.7	[20.6]	1 4 .	.	.	.
38	α Ursæ Minoris . . .	6	21 38.87	+ 37.09	[- 1.28]	49 46 4.95	29.634	+ 1 5.9	[22.2]	1 22 .	.	.	.
June 28, See.													
39	α Leonis . . .	7	3 3.00	- 0.79	[- 0.70]	333 30 10.42	27.080	- 26.8	[19.2]	10 3 .	.	.	.
40	α Ursæ Minoris s. p. .	8	23 12.74	- 55.29	[- 2.29]	52 14 23.45	28.138	+ 1 9.7	[11.5]	1 22 .	.	.	.
41	α Coronæ Borealis . .	7	30 29.10	- 0.43	- 0.77	348 3 56.88	30.622	- 11.4	[16.7]	15 30 .	.	.	.
42	ϵ Serpentis . . .	11	45 52.03	- 0.95	- 0.68	325 48 0.22	30.556	- 36.8	18.9	15 45 .	.	.	.
43	δ Scorpii . . .	11	54 27.99	- 1.57	- 0.68	298 42 3.85	30.346	- 1 38.7	18.0	15 54 .	.	.	.
44	β^1 Scorpii . . .	11	59 40.06	- 1.50	- 0.71	301 30 2.58	30.768	- 1 28.2	19.2	15 59 .	.	.	.
45	Uranus C, C. . .	11	11 24.97	- 1.54	- 0.68	300 2 2.55	30.216	- 1 33.6	18.4	16 11 22.75	.	21 ° 15.6	.
46	α Scorpii . . .	11	23 19.50	- 1.68	- 0.61	294 49 55.02	30.466	- 1 56.6	17.6	16 23 .	.	.	.
47	ι Piscium . . .	11	34 49.68	- 0.90	- 0.56	326 6 5.62	30.836	- 37.0	20.1	23 34 .	.	.	.
48	Moon II, N. . .	11	43 30.72	- 0.95	- 0.54	324 34 2.32	31.056	- 39.2	20.5	23 43 29.23	- 66.83	+ 3 33 0.2	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
26 9 14	29.96	84.0	81.1	1, 6, 32.	Bisections at II, VI, VII.	10	+ 0.4	.	.	+ 0.4
10 16	29.95	84.6	81.9	5.	Bisections at C ₅ , C ₃ , C ₂ , C ₁ .	14	+ 44 7.4	- 16 25.8	.	+ 27 41.6
13 10	29.95	80.8	78.1	14, 34.	Bisections at II, III, IV, V, VI.	23	+ 0.4	.	.	+ 0.4
15 50	29.95	73.8	72.2	20, 40.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	34	+ 39 11.9	- 16 16.1	.	+ 22 55.8
16 40	29.95	73.0	72.0	38.	Bisections at C ₅ , D ₁ , D ₂ , D ₃ .	45	+ 0.4	.	.	+ 0.4
22 22	29.95	68.6	67.1	39, 41.	Bisections at VI, VII.	48	+ 33 53.3	- 16 4.6	.	+ 17 48.7
0 0	29.96	66.5	66.5	48.	Bisections at I, II, IV, VI, VII.					
1 33	29.99	72.0	71.5							
15 50	29.97	74.5	72.7							
16 40	29.97	73.0	71.7							
17 35	29.97	72.0	70.6							
18 21	29.96	71.5	69.9							
22 19	29.92	69.5	67.5							
23 36	29.90	68.0	66.9							
0 58	29.91	71.0	70.3							
1 38	29.905	72.0	70.9							
28 9 50	29.75	87.4	85.9							
10 35	29.67	84.1	82.6							
15 39	29.64	80.7	79.1							
16 2	29.65	79.9	78.5							
17 7	29.63	78.1	77.0	47, 48.	Change of temperature, etc., derived from the Met. Journal.					
23 50	29.65	72.1	70.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ω Piscium	11	54 11.65	- 0.87	- 0.52	327 20 8.65	29.695	- 35.3	21.3	23 54 . .	. .		. .
2	α Andromedæ	11	3 13.64	- 0.41	- 0.51	349 32 2.55	32.389	- 10.1	21.6	0 3 . .	. .		. .
3	γ Pegasi	11	8 6.06	- 0.71	- 0.57	335 38 4.28	31.569	- 25.0	19.1	0 8 . .	. .		. .
June 29, Br.													
4	α Ursæ Minoris s. P.	11	22 12.18	+ 5.18	[- 1.21]	52 14 13.28	28.653	+ 11.6	[17.8]	1 22 . .	. .		. .
5	η Bootis	11	49 56.05	- 0.14	[- 0.46]	339 56 11.92	28.118	- 20.3	[18.5]	13 49 . .	. .		. .
6	δ Scorpïi	11	11 14.98	- 0.07	- 0.39	298 42 14.80	30.209	- 1 41.7	22.0	15 54 . .	. .		. .
7	Uranus C. C.	11	11 14.98	- 0.07	- 0.39	300 2 14.25	30.700	- 1 36.4	20.1	16 11 14.52	. .	- 20 59 54.6	. .
8	β Herculis	11	25 56.60	- 0.12	- 0.41	342 44 8.25	29.058	- 17.4	18.1	16 25 . .	. .		. .
9	ζ Ophiuchi	11	31 40.22	- 0.08	- 0.36	310 40 12.32	29.787	- 1 5.1	20.2	16 31 . .	. .		. .
10	Saturn I. S.	6	12 56.25	- 0.05	- 0.37	299 30 9.88	28.042	- 1 38.7	20.1	17 12 55.83	+ 0.72	- 21 33 17.0	. .
11	Saturn II. N.	5	12 57.69	- 0.05	- 0.37	299 30 9.88	28.702	- 1 38.7	20.1	17 12 57.27	- 0.72	- 21 32 58.3	. .
12	δ Ophiuchi	11	20 17.02	- 0.04	- 0.40	296 58 10.12	29.009	- 1 49.7	20.4	17 20 . .	. .		. .
13	α Ophiuchi	11	30 18.88	- 0.09	- 0.34	333 40 8.32	28.345	- 27.8	19.8	17 30 . .	. .		. .
14	α Andromedæ	11	3 13.64	- 0.41	- 0.51	349 32 2.55	32.043	- 10.4	18.6	0 3 . .	. .		. .
15	Moon II. N.	11	36 23.85	- 0.07	- 0.26	330 14 9.28	29.662	- 32.4	20.6	0 36 23.52	- 66.74	+ 9 12 34.1	. .
16	ε Piscium	11	57 44.76	- 0.06	- 0.18	328 22 9.48	30.714	- 34.9	20.4	0 57 . .	. .		. .
17	β Andromedæ	11	4 7.62	- 0.23	- 0.29	356 6 6.48	30.082	- 3.8	20.4	1 4 . .	. .		. .
18	α Ursæ Minoris . . .	11	22 34.64	- 17.53	[- 0.45]	49 46 7.12	29.385	+ 1 6.9	[20.1]	1 22 . .	. .		. .
19	ο Piscium	11	40 6.15	- 0.06	- 0.26	329 40 10.45	31.022	- 32.9	22.8	1 40 . .	. .		. .
20	β Arietis	11	49 6.25	- 0.13	- 0.26	341 20 9.80	30.124	- 18.9	20.9	1 49 . .	. .		. .
June 29, K.													
21	α Tauri	11	30 9.30	- 0.03	- 0.13	337 20 16.52	28.830	- 23.2	20.6	4 30 . .	. .		. .
22	ι Aurigæ	11	50 27.04	- 0.14	- 0.16	354 2 10.20	28.249	- 5.8	18.6	4 50 . .	. .		. .
23	Venus I. C.	6	6 35.78	- 0.07	- 0.12	343 10 9.95	28.945	- 16.8	19.0	5 6 35.59	+ 0.46	+ 22 8 31.3	. .
24	Venus II.	5	6 36.77	- 0.07	- 0.12			. .	. .	5 6 36.58	- 0.53		. .
25	β Orionis	11	9 42.20	+ 0.06	- 0.09	312 42 12.62	31.354	- 1 0.2	19.0	5 9 . .	. .		. .
26	β Tauri	11	19 56.35	- 0.11	- 0.10	349 32 6.75	30.475	- 10.2	17.1	5 19 . .	. .		. .
June 30, K.													
27	Sun I. N.	11	36 27.54	- 0.10	- 0.07	344 28 24.50	27.255	- 15.4	19.0	6 36 27.37	+ 68.87	+ 23 25 59.0	. .
28	Sun II. S.	10	38 45.29	- 0.10	- 0.07	343 56 25.58	28.262	- 15.9	19.0	6 38 45.12	- 68.88	+ 22 54 28.5	. .
29	α Geminorum	11	28 11.30	- 0.15	- 0.07	353 8 12.50	28.535	- 6.6	17.8	7 28 . .	. .		. .
30	α Canis Minoris . . .	11	34 2.40	- 0.07	- 0.00	326 30 8.55	30.528	- 36.6	19.5	7 34 . .	. .		. .
31	β Geminorum	11	39 10.05	- 0.14	- 0.07	349 18 6.08	28.048	- 10.4	20.4	7 39 . .	. .		. .
32	Mercury I. C.	3	53 32.14	- 0.12	- 0.04	343 48 5.82	29.689	- 16.0	19.0	7 53 31.98	+ 0.20	+ 22 46 49.2	. .
33	γ Virginis	11	4 46.07	- 0.17	[+ 0.11]	316 2 6.50	28.692	- 53.2	[19.4]	13 4 . .	. .		. .
34	α Ursæ Minoris s. P.	8	22 15.24	+ 5.24	[- 3.29]	52 14 5.05	28.996	+ 11.5	[19.2]	1 22 . .	. .		. .
35	δ Scorpïi	11	54 25.67	- 0.10	+ 0.17	298 42 10.08	30.240	- 1 41.6	18.3	15 54 . .	. .		. .
36	β Scorpïi	11	59 37.81	- 0.10	+ 0.14	301 30 6.60	30.779	- 1 30.9	20.8	15 59 . .	. .		. .
37	Uranus C. C.	11	11 6.39	- 0.10	+ 0.18	300 2 5.30	31.741	- 1 36.3	19.9	16 11 6.47	. .	- 20 59 33.6	. .
38	α Scorpïi	11	23 17.03	- 0.10	+ 0.28	294 50 . .		. .	. .	16 23 . .	. .		. .
39	Saturn I. S.	6	12 38.78	- 0.08	- 0.19	299 30 5.40	28.760	- 1 39.0	19.9	17 12 38.89	+ 0.69	- 21 33 1.1	. .
40	Saturn II. N.	5	12 40.15	- 0.08	+ 0.19	299 30 5.40	29.462	- 1 39.0	19.9	17 12 40.26	- 0.68	- 21 32 41.2	. .
41	δ Ophiuchi	11	20 16.52	- 0.08	+ 0.15	296 58 5.90	29.178	- 1 50.0	20.7	17 20 . .	. .		. .
42	β Ceti	11	38 33.43	+ 0.05	+ 0.25	302 30 8.05	30.406	- 1 28.5	21.5	0 38 . .	. .		. .
43	ε Piscium	11	57 44.41	- 0.04	+ 0.18	328 22 11.70	30.649	- 34.7	20.8	0 57 . .	. .		. .
44	β Andromedæ	11	4 7.15	- 0.19	+ 0.18	356 6 4.00	30.219	- 3.8	21.6	1 4 . .	. .		. .
45	α Ursæ Minoris . . .	8	22 34.05	- 15.69	[- 0.64]	49 46 6.45	29.450	+ 1 6.6	[21.0]	1 22 . .	. .		. .
46	Moon II. N.	11	29 35.20	- 0.07	+ 0.21	335 16 9.20	29.072	- 25.8	21.8	1 29 35.34	- 67.15	+ 14 14 22.6	. .
47	ο Piscium	5	40 5.68	- 0.05	+ 0.23	329 40 8.42	31.120	- 32.7	23.5	1 40 . .	. .		. .

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
29	13 10	29.85	74.5	72.7	4, 18, 34, 45.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	7	+ 0.4	. . .	. .	+ 0.4
	13 56	29.86	72.5	70.4	8, 13, 19, 21, 28, 29.	Bisections at VI, VII.	10	+ 0.9	+ 9.3	. .	+ 10.2
	15 53	29.905	69.0	67.7	9, 14, 17, 47.	Bisections at II, VI, VII.	11	+ 0.9	- 9.4	. .	- 8.5
	16 40	29.91	68.7	67.1	10, 39.	Bisections at I, VII.	15	+ 28 37.2	- 15 52.6	. .	+ 12 44.6
	17 38	29.915	68.0	66.4	11, 40.	Bisections at II, VI.	23	+ 1.6	. . .	- 0.1	+ 1.5
	23 58	29.96	62.0	60.9	15, 46.	Bisections at II, III, IV, V, VI.	27	+ 2.3	- 15 45.2	. .	- 15 42.9
	0 52	29.98	62.9	61.7	27.	Bisections at I, II.	28	+ 2.4	+ 15 45.2	. .	+ 15 47.6
	1 55	30.00	66.8	67.6			32	+ 2.0	. . .	- 0.1	+ 1.9
	4 27	30.05	76.1	72.6			37	+ 0.4	. . .	. .	+ 0.4
	5 22	30.04	77.0	72.7			39	+ 0.9	+ 10.0	. .	+ 10.9
	6 38	30.03	77.4	74.9			40	+ 0.9	- 9.9	. .	- 9.0
	7 25	30.02	77.7	76.0			46	+ 23 46.7	- 15 40.7	. .	+ 8 6.0
	7 51	30.02	77.8	76.0							
	8 22	30.02	77.4	76.9							
	13 8	30.02	69.8	69.9							
	15 57	30.02	69.8	69.9							
	17 22	30.02	68.0	67.0							
	0 34	30.04	61.0	64.2	1 to 3.	Change of temperature, etc., derived from the Met. Journal.					
	1 36	30.06	67.2	69.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	June 30, B.		m s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	α Tauri	11	30 8.84	-0.07	+ 9.40	337 20 14.75	28.785	-	23.0	17.8	4 30 . .		
2	γ Aurigæ	11	50 26.67	-0.14	+ 0.24	354 2 11.88	28.121	-	5.7	16.8	4 50 . .		
3	β Orionis	11	9 41.88	-0.05	+ 0.36	312 42 12.30	31.820	-	59.6	[32.3]	5 9 . .		
4	Venus I, C.	6	11 48.09	-0.11	+ 0.35	343 18 11.28	30.509	-	16.5	18.5	5 11 48.33	+ 0.45	+ 22 17 18.0
5	Venus II	5	11 49.05	-0.11	+ 0.35						5 11 49.29	- 0.51	
6	δ Orionis	11	26 51.78	-0.08	+ 0.39	320 38 9.65	32.238	-	45.1	18.5	5 26 . .		
	July 1, B.												
7	Sun I, N.	9	40 35.42	-0.15	+ 0.39	344 24 20.05	27.570	-	15.3	18.5	6 40 35.66	+ 68.84	+ 23 22 4.1
8	Sun II, S.	10	42 53.11	-0.15	+ 0.39	343 52 14.25	28.655	-	15.8	18.5	6 42 53.35	- 68.85	+ 22 50 29.0
9	α Canis Minoris	11	34 2.10	-0.15	+ 0.39	326 30 12.10	30.391	-	36.2	19.4	7 34 . .		
10	Mercury C, C.	11	1 3.66	-0.16	+ 0.44	343 24 10.20	30.785	-	16.3	18.5	8 1 3.94	+ 0.04	+ 22 23 25.0
11	α Hydræ	11	22 38.63	-0.19	+ 0.52	312 48 11.40	30.344	-	58.8	18.7	9 22 . .		
12	ϵ Leonis	11	40 8.73	-0.17	+ 0.47	345 16 13.02	28.175	-	14.3	19.4	9 40 . .		
13	α Leonis	11	3 1.17	-0.19	+ 0.51	333 30 12.18	27.036	-	27.2	19.1	10 3 . .		
14	α Ursæ Minoris S. P.	11	22 19.73	-2.85	[+ 1.39]	52 14 6.20	28.955	+ 1	11.3	[19.0]	1 22 . .		
15	η Bootis	11	49 55.08	-0.22	[+ 0.56]	339 56 14.68	28.079	-	20.2	[20.0]	13 49 . .		
16	ϵ Serpentis	11	45 50.00	-0.20	+ 0.59	325 48 9.55	30.314	-	38.0	19.8	15 45 . .		
17	δ Scorpii	11	54 25.40	-0.25	+ 0.58	298 42 10.62	30.266	-	41.7	19.5	15 54 . .		
18	β Scorpii	11	59 37.50	-0.24	+ 0.58	301 30 8.55	30.684	-	30.9	20.1	15 59 . .		
19	Uranus C, C.	11	10 58.25	-0.24	+ 0.58	300 4 11.10	27.901	-	36.4	20.1	16 10 58.59	-	- 20 59 17.5
20	κ Ophiuchi	11	52 56.50	-0.17	+ 0.57	330 34 11.08	28.125	-	31.7	19.6	16 52 . .		
21	α Herculis	11	10 5.72	-0.16	+ 0.59	335 32 . .					17 10 . .		
22	Saturn I, N.	5	12 21.07	-0.21	+ 0.59	299 30 12.10	29.488	-	39.0	20.1	17 12 21.45	+ 0.75	- 21 32 33.8
23	Saturn II, S.	6	12 22.58	-0.21	+ 0.59	299 30 12.10	28.815	-	39.0	20.1	17 12 22.96	- 0.76	- 21 32 53.2
24	μ Herculis	11	42 33.38	-0.16	+ 0.61	348 48 7.85	29.512	-	11.1	21.3	17 42 . .		
25	ϵ Piscium	11	57 43.95	-0.05	+ 0.68	328 22 10.08	30.740	-	34.8	[21.5]	0 57 . .		
26	β Andromedæ	11	4 6.72	-0.20	+ 0.66	356 6 9.15	30.000	-	3.8	[20.4]	1 4 . .		
27	α Ursæ Minoris	11	22 34.38	-14.99	[+ 0.56]	49 46 8.10	29.447	+ 1	6.6	[22.6]	1 22 . .		
28	α Arietis	11	1 30.51	-0.12	+ 0.66	344 0 9.10	30.468	-	16.0	[19.8]	2 1 . .		
	July 2, La.												
29	α Ceti	11	57 1.05	-0.11	+ 0.92	324 42 12.82	32.352	-	39.0	19.2	2 57 . .		
30	Moon II, N.	11	18 57.66	-0.14	+ 0.84	342 30 10.75	32.242	-	17.3	18.8	3 18 58.36	- 68.46	+ 21 30 5.9
31	η Tauri	11	41 30.04	-0.16	+ 0.89	344 48 8.98	31.294	-	14.9	19.1	3 41 . .		
32	ζ Persei	11	47 48.25	-0.17	+ 0.89	352 36 8.05	29.802	-	7.1	18.3	3 47 . .		
33	γ Aurigæ	11	50 26.15	-0.18	+ 0.85	354 2 3.20	28.441	-	5.7	17.2	4 50 . .		
34	β Tauri	10	19 55.54	-0.19	+ 0.85	349 32 7.05	30.295	-	10.0	[12.5]	5 19 . .		
35	Venus I, C.	5	22 15.41	-0.19	+ 0.94	343 34 7.68	29.995	-	16.0	17.5	5 22 16.16	+ 0.37	+ 22 33 1.3
36	Venus II	6	22 16.21	-0.19	+ 0.94						5 22 16.96	- 0.43	
	July 3, La.												
37	Sun I, S.	11	48 50.75	-0.22	+ 1.00	343 42 17.62	30.548	-	15.8	16.6	6 48 51.53	+ 68.65	+ 22 41 28.0
38	Sun II, N.	9	51 8.06	-0.22	+ 1.00	344 14 17.92	29.520	-	15.2	16.6	6 51 8.84	- 68.66	+ 23 12 59.8
39	α Canis Minoris	10	34 1.51	-0.28	+ 1.12	326 30 8.18	30.418	-	35.6	16.8	7 34 . .		
40	β Geminorum	10	39 9.04	-0.22	+ 1.04	349 18 3.27	28.010	-	10.1	15.0	7 39 . .		
41	Mercury C, C.	11	15 30.79	-0.25	+ 1.07	342 34 7.65	29.256	-	16.8	15.7	8 15 31.61	+ 0.05	+ 21 32 41.2
42	α Hydræ	11	22 38.32	-0.40	+ 1.04	312 48 8.48	30.305	-	57.8	15.4	9 22 . .		
43	α Ursæ Minoris S. P.	3	22 37.00	-15.14	[+ 1.30]	52 14 1.48	28.961	+ 1	10.2	[15.0]	1 22 . .		
44	η Bootis	11	49 54.42	-0.18	+ 1.16	339 56 3.50	28.355	-	19.9	[16.9]	13 49 . .		
45	α Bootis	11	11 5.15	-0.18	+ 1.20	340 44 3.88	28.840	-	19.1	[16.7]	14 11 . .		
46	δ Scorpii	11	54 24.95	-0.44	+ 1.22	298 42 3.78	30.448	-	40.3	19.2	15 54 . .		
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
	Time.	Barom.	Att. Ther.	Ex. Ther.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
	d h m	in.	°	°				/ //	/ //	//	/ //	//	
30	4 24	30.11	80.4	77.8	3, 7, 34, 37. Bisections at I, II.		4	+	1.6	.	+	1.5	
	4 50	30.11	81.4	79.1	6, 12. Bisections at II, VI, VII.		7	+	2.3	-15 47.5	.	-15 45.2	
	5 27	30.11	81.4	79.0	8, 24, 38. Bisections at VI, VII.		8	+	2.4	+15 47.5	.	+15 49.9	
1	6 43	30.10	83.7	81.8	14, 27. Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .		10	+	2.1	.	-	2.0	
	7 24	30.09	83.2	81.1	22. Bisections at I, VII.		19	+	0.4	.	.	0.4	
	8 3	30.08	84.8	83.1	23. Bisections at II, VI.		22	+	0.9	- 9.7	.	- 8.8	
	9 26	30.06	84.8	83.1	30. Bisections at II, III, IV, V, VI.		23	+	0.9	+ 9.7	.	+ 10.6	
	10 5	30.04	84.4	83.1	43. Bisections at C ₁ , B ₃ , B ₂ , B ₁ .		30	+	16 36.5	-15 19.6	.	+ 1 16.9	
	13 12	30.03	79.2	78.3			35	+	1.6	.	-	1.5	
	15 42	30.02	76.4	75.2			37	+	2.4	+15 45.8	.	+15 48.2	
	16 14	30.03	70.6	69.1			38	+	2.3	-15 45.9	.	-15 43.6	
	16 48	30.03	70.0	68.0			41	+	2.3	.	-	2.2	
	17 45	30.03	68.0	66.1									
	0 58	29.99	63.0	64.1									
	1 52	29.99	66.4	68.6									
2	2 53	29.965	73.3	75.7									
	3 56	29.97	76.7	77.6									
	4 53	29.985	81.8	80.1									
	5 25	29.985	84.2	82.8									
3	6 51	29.98	87.5	86.9									
	7 30	29.97	88.5	88.3									
	8 18	29.96	89.7	89.7									
	9 25	29.95	91.2	90.0									
	13 34	29.94	85.8	83.3									
	14 13	29.93	82.0	80.7									
	15 52	..	..	75.5									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	β^1 Scorpii	11	59 37.07	- 0.41	+ 1.18	301 30 3.68	30.722	- 29.7	17.5	15 59 . .			
2	Uranus C, C.	11	10 42.42	0.42	+ 1.21	300 4 5.50	29.422	- 1 35.0	18.4	16 10 43.21		- 20 58 36.7	
3	ζ Ophiuchi	11	31 38.91	- 0.34	+ 1.21	310 39 54.10	30.335	- 1 4.3	18.1	16 31 . .			
4	Saturn I, S.	6	11 47.06	- 0.40	+ 1.22	299 30 11.62	29.612	- 1 37.6	18.4	17 11 47.88	+ 0.68	- 21 32 27.8	
5	Saturn II, N.	5	11 48.41	- 0.40	+ 1.22	299 30 11.62	30.252	- 1 37.6	18.4	17 11 49.23	- 0.67	- 21 32 9.4	
6	b Ophiuchi	11	20 15.76	- 0.41	+ 1.25	296 58 8.95	28.954	- 1 48.4	19.0	17 20 . .			
7	β Andromedæ	11	4 6.11	- 0.09	+ 1.23	356 6 6.88	29.948	- 1 3.8	[16.3]	1 4 . .			
8	α Ursæ Minoris	11	22 20.84	+ 2.07	[- 1.76]	49 46 12.20	29.182	+ 1 5.9	[18.5]	1 22 . .			
9	β Arietis	11	49 4.88	- 0.12	+ 1.23	341 20 12.88	29.942	- 18.7	[18.3]	1 49 . .			
July 5, See.													
10	ϵ Bootis	11	40 35.67	- 0.26	+ 2.12	348 31 58.25	27.552	- 11.3	7.4	14 40 . .			
11	α^2 Libræ	11	45 19.35	- 0.57	+ 2.15	305 23 54.08	30.954	- 1 18.1	5.8	14 45 . .			
12	β Libræ	11	11 36.15	- 0.51	+ 2.21	312 0 5.58	31.648	- 1 1.7	7.2	15 11 . .			
13	β^1 Scorpii	11	59 36.18	- 0.56	+ 2.21	301 30 5.28	30.308	- 1 30.5	6.4	15 59 . .			
14	Uranus C, C.	11	10 26.77	- 0.57	+ 2.21	300 4 5.38	30.305	- 1 35.8	6.9	16 10 28.41		- 20 58 0.9	
15	α Scorpii	11	23 15.59	- 0.60	+ 2.21	294 50 4.72	29.858	- 1 59.5	7.3	16 23 . .			
16	ζ Ophiuchi	11	31 37.98	- 0.48	+ 2.28	310 40 12.42	29.298	- 1 4.7	6.4	16 31 . .			
17	Saturn I, S.	6	11 13.41	- 0.54	+ 2.25	299 30 5.62	30.162	- 1 37.9	6.9	17 11 15.12	+ 0.64	- 21 32 6.8	
18	Saturn II, N.	5	11 14.69	- 0.54	+ 2.25	299 30 5.62	30.830	- 1 37.9	6.9	17 11 16.40	- 0.64	- 21 31 48.0	
19	b Ophiuchi	11	20 14.90	- 0.56	+ 2.27	296 58 3.08	28.772	- 1 48.8	7.6	17 20 . .			
20	α Ophiuchi	11	30 16.58	- 0.32	+ 2.21	333 40 7.50	27.961	- 27.5	7.2	17 30 . .			
July 6, Br.													
21	β Orionis	11	9 40.11	- 0.41	+ 2.60	312 42 1.28	31.241	- 59.1	4.2	5 9 . .			
22	ϵ Orionis	11	31 4.48	- 0.37	+ 2.57	319 46 3.12	28.860	- 46.1	7.0	5 31 . .			
23	Venus I, S.	6	43 17.08	- 0.25	+ 2.60	343 58 1.38	29.170	- 15.6	4.9	5 43 19.43	+ 0.27	+ 22 56 44.4	
24	Venus II, N.	5	43 17.65	- 0.25	+ 2.60	343 58 1.38	29.548	- 15.6	4.9	5 43 20.00	- 0.30	+ 22 56 55.3	
July 7, Br.													
25	Sun I, N.	11	5 17.23	- 0.26	+ 2.65	343 52 13.62	27.402	- 15.7	4.9	7 5 19.62	+ 68.52	+ 22 50 6.1	
26	Sun S.					343 20 15.55	28.350	- 16.2	4.9			+ 22 18 34.8	
27	Mercury C, C.	11	42 2.01	- 0.31	+ 2.71	340 40 3.48	29.016	- 18.9	4.9	8 42 4.41	+ 0.06	+ 19 38 38.9	
28	α Leonis	3	2 59.11	- 0.40	+ 2.77	333 29 59.85	26.946	- 26.8	4.4	10 3 . .			
29	γ^1 Leonis	6	14 23.81	- 0.34	+ 2.77	341 21 58.28	29.888	- 18.1	3.9	10 14 . .			
30	α Ursæ Minoris S. P.	7	22 42.07	- 19.40	[+ 2.38]	52 13 56.95	28.810	+ 10.1	[4.6]	1 22 . .			
31	η Bootis	11	49 52.88	- 0.39	[+ 2.86]	339 56 2.72	28.008	- 19.9	[5.9]	13 49 . .			
32	Saturn I, S.	6	10 40.98	- 0.75	+ 2.89	299 32 2.30	26.658	- 1 36.4	6.2	17 10 43.12	+ 0.66	- 21 31 47.8	
33	Saturn II, N.	5	10 42.31	- 0.75	+ 2.89	299 32 2.30	27.328	- 1 36.4	6.2	17 10 44.45	- 0.67	- 21 31 28.8	
34	b Ophiuchi	9	20 14.59	- 0.78	+ 2.80	296 57 59.90	28.808	- 1 47.2	7.0	17 20 . .			
35	α Ophiuchi	11	30 15.96	- 0.44	+ 2.95	333 39 58.82	28.212	- 27.1	5.6	17 30 . .			
36	μ Herculis	11	42 31.20	- 0.30	+ 2.93	348 47 58.98	29.346	- 10.8	5.9	17 42 . .			
July 9, Ia.													
37	α Tauri	11	30 5.65	- 0.25	+ 3.99	337 20 6.78	28.710	- 23.1	6.8	4 30 . .			
38	ι Aurigæ	11	50 23.31	- 0.22	+ 3.92	354 1 59.60	28.138	- 5.7	5.1	4 50 . .			
39	β Orionis	11	9 38.63	- 0.30	+ 4.03	312 42 1.70	31.340	- 59.6	6.4	5 9 . .			
40	β Tauri	11	19 52.67	- 0.23	+ 3.93	349 32 3.25	30.159	- 10.1	4.8	5 19 . .			
41	Venus I, C.	6	59 8.26	- 0.24	+ 3.98	344 8 6.12	31.164	- 15.6	6.1	5 59 12.00	+ 0.38	+ 23 7 44.8	
42	Venus II	5	59 9.07	- 0.24	+ 3.98					5 59 12.81	- 0.43		
July 10, Ia.													
43	Sun I, N.	11	17 33.20	- 0.25	+ 4.00	343 30 5.40	29.205	- 16.2	6.1	7 17 36.95	+ 68.37	+ 22 28 47.5	
44	Sun II, S.	11	19 49.95	- 0.25	+ 4.00	342 58 4.92	30.230	- 16.7	6.1	7 19 53.70	- 68.38	+ 21 57 16.1	
45	α Canis Minoris	11	33 58.70	- 0.30	+ 4.00	326 29 57.45	30.500	- 36.1	7.4	7 34 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				" "	" "	" "	" "
3 16 3	29.935	76.0	74.9	3.	Bisections at VI, VII.	2	+ 0.4			+ 0.4
16 34	29.94	74.8	73.8	4, 18, 24, 33, 34.	Bisections at II, VI.	4	+ 0.9	+ 9.2		+ 10.1
17 22	29.93	73.8	72.5	5, 17, 23, 32.	Bisections at I, VII.	5	+ 0.9	9.2		+ 8.3
1 1	29.94	69.8	69.9	8.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	14	+ 0.4			+ 0.4
1 46	29.96	72.2	73.2	22.	Bisections at II, VI, VII.	17	+ 0.9	9.4		+ 10.3
5 14 52	29.76	72.4	67.9	25, 43.	Bisections at I, II.	18	+ 0.9	9.4		+ 8.5
16 5	29.77	70.3	67.7	26.	Bisection at VI.	23	+ 1.5	5.4	0.0	+ 6.9
16 36	29.76	70.3	67.6	30.	Bisections at C ₁ , C ₃ .	24	+ 1.5	5.5		+ 4.0
17 14	29.76	70.8	67.9	44.	Bisections at VI, VII.	25	+ 2.1	15 45.6		+ 15 43.2
17 34	29.75	69.8	67.9			26	+ 2.5	15 45.6		+ 15 48.1
6 5 7	29.885	81.9	79.1			27	+ 2.7		0.2	+ 2.5
5 54	29.88	83.5	82.2			32	+ 0.9	+ 9.5		+ 10.4
7 6	29.88	84.3	86.6			33	+ 0.9	9.5		+ 8.6
10 9	29.86	88.0	86.8			41	+ 1.5		0.0	+ 1.5
13 34	29.84	83.8	82.0			43	+ 2.4	15 45.7		+ 15 43.3
13 50	29.835	82.8	81.1			44	+ 2.5	+ 15 45.6		+ 15 48.1
17 5	29.825	78.8	77.1							
17 46	29.815	77.2	76.0							
9 4 32	29.93	74.0	73.5							
5 15	29.94	78.7	75.2							
6 2	29.945	80.3	77.7							
10 7 19	29.95	82.0	80.4							
7 40	29.94	81.4	80.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instrument.	Clock.								
1	ζ Ophiuchi	11	31	36.04	- 0.40	+ 4.13	310 40 4.55	29.591	- 1 4.7	6.6	16 31 . . .	. . .	. . .	. . .
2	κ Ophiuchi	11	52	52.96	- 0.29	+ 4.21	330 34 4.18	27.979	- 1 31.4	7.6	16 52 . . .	. . .	. . .	. . .
3	Saturn I, S. . . .	5	9	53.37	- 0.46	+ 4.16	299 32 7.58	27.615	- 1 38.0	7.2	17 9 57.07	+ 0.69	- 21 31 18.0	. . .
4	Saturn II, N. . . .	6	9	54.75	- 0.46	+ 4.16	299 32 7.58	28.272	- 1 38.0	7.2	17 9 58.45	- 0.69	- 21 30 59.1	. . .
5	δ Ophiuchi	11	20	12.98	- 0.48	+ 4.12	296 58 9.45	28.559	- 1 49.1	7.7	17 20 . . .	. . .	. . .	. . .
6	α Ophiuchi	11	30	14.55	- 0.27	+ 4.19	333 39 58.82	28.298	- 1 27.6	7.1	17 30 . . .	. . .	. . .	. . .
July 10, Ei.														
7	β Orionis	11	9	38.47	- 0.32	+ 4.24	312 42 1.30	31.332	- 1 59.2	6.0	5 9 . . .	. . .	. . .	. . .
8	β Tauri	11	19	52.28	- 0.18	+ 4.29	349 31 59.30	30.326	- 1 10.1	5.6	5 19 . . .	. . .	. . .	. . .
9	δ Orionis	8	26	48.32	- 0.30	+ 4.26	320 38 0.65	32.168	- 1 44.8	6.4	5 26 . . .	. . .	. . .	. . .
10	ε Orionis	11	31	2.79	- 0.30	+ 4.27	319 46 2.40	28.945	- 1 46.2	8.1	5 31 . . .	. . .	. . .	. . .
11	Venus I, C. . . .	5	4	26.25	- 0.21	+ 4.29	344 11 59.40	27.891	- 1 15.4	6.3	6 4 30.33	+ 0.36	+ 23 10 4.9	. . .
12	Venus II. . . .	6	4	27.01	- 0.21	+ 4.29	. . .	. . .	. . .	. . .	6 4 31.09	- 0.40	. . .	. . .
July 11, Ei.														
13	Sun I, N. . . .	11	21	37.89	- 0.23	+ 4.33	343 22 1.98	29.580	- 1 16.2	5.9	7 21 41.99	+ 68.25	+ 22 20 55.0	. . .
14	Sun II, S. . . .	11	23	54.39	- 0.23	+ 4.33	342 50 3.48	30.532	- 1 16.8	5.9	7 23 58.49	- 68.25	+ 21 49 23.4	. . .
15	Mercury I, C. . . .	11	5	26.88	- 0.28	+ 4.39	338 33 58.68	31.179	- 1 21.3	5.4	9 5 30.99	+ 0.22	+ 17 33 32.9	. . .
16	α Hydrae	11	22	35.05	- 0.45	+ 4.34	312 47 58.72	30.361	- 1 58.5	5.5	9 22 . . .	. . .	. . .	. . .
17	ε Leonis	11	40	4.83	- 0.25	+ 4.42	345 15 57.35	28.202	- 1 14.3	4.9	9 40 . . .	. . .	. . .	. . .
18	α Leonis	11	2	57.37	- 0.33	+ 4.42	333 30 1.72	26.919	- 1 27.1	5.1	10 3 . . .	. . .	. . .	. . .
19	Moon I	11	10	37.70	- 0.39	+ 4.42	326 42 . . .	. . .	. . .	. . .	10 10 41.73	+ 61.24	. . .	. . .
20	γ Leonis	11	14	22.05	- 0.28	+ 4.45	341 22 0.22	29.868	- 1 18.3	5.1	10 14 . . .	. . .	. . .	. . .
21	α Ursæ Minoris s. P. . . .	9	22	41.74	- 18.52	[+ 5.64]	52 13 51.88	29.039	+ 1 10.7	[7.0]	1 22 . . .	. . .	. . .	. . .
22	η Bootis	11	49	51.11	- 0.33	+ 4.52	339 55 56.15	28.265	- 1 20.0	[6.2]	13 49 . . .	. . .	. . .	. . .
23	α Bootis	11	11	1.89	- 0.32	+ 4.50	340 43 58.68	28.666	- 1 19.2	[5.8]	14 11 . . .	. . .	. . .	. . .
24	ζ Ophiuchi	11	31	35.79	- 0.51	+ 4.48	310 40 1.95	29.686	- 1 4.6	6.8	16 31 . . .	. . .	. . .	. . .
25	κ Ophiuchi	11	52	52.71	- 0.36	+ 4.53	330 33 55.72	28.235	- 1 31.4	6.3	16 52 . . .	. . .	. . .	. . .
26	Saturn I, N. . . .	6	9	38.26	- 0.59	+ 4.51	299 31 56.38	28.928	- 1 37.9	6.7	17 9 42.18	+ 0.66	- 21 30 51.0	. . .
27	Saturn II, S. . . .	5	9	39.57	- 0.59	+ 4.51	299 31 56.38	28.255	- 1 37.9	6.7	17 9 43.49	- 0.65	- 21 31 10.4	. . .
28	b Ophiuchi	11	20	12.69	- 0.61	+ 4.54	296 57 57.02	28.972	- 1 48.9	7.1	17 20 . . .	. . .	. . .	. . .
29	α Ophiuchi	11	30	14.30	- 0.33	+ 4.50	333 39 56.42	28.376	- 1 27.6	6.7	17 30 . . .	. . .	. . .	. . .
30	β Andromedæ	11	4	3.16	- 0.14	+ 4.52	356 5 59.10	29.924	- 1 3.8	[6.3]	1 4 . . .	. . .	. . .	. . .
31	α Ursæ Minoris	8	22	19.94	+ 4.72	[+ 4.67]	49 46 0.12	29.252	+ 1 6.3	[8.1]	1 22 . . .	. . .	. . .	. . .
32	ο Piscium	11	40	1.90	- 0.23	+ 4.53	329 40 3.10	30.840	- 1 32.7	[8.1]	1 40 . . .	. . .	. . .	. . .
July 11, See.														
33	ζ Persei	11	47	44.94	- 0.15	+ 4.46	352 36 2.68	29.684	- 1 7.1	[9.1]	3 47 . . .	. . .	. . .	. . .
34	α Tauri	11	30	5.10	- 0.22	+ 4.56	337 20 3.10	28.792	- 1 22.9	[5.5]	4 30 . . .	. . .	. . .	. . .
35	β Orionis	11	9	38.17	- 0.34	+ 4.58	312 42 0.32	31.391	- 1 59.2	[6.5]	5 9 . . .	. . .	. . .	. . .
36	ε Orionis	11	31	2.49	- 0.31	+ 4.60	319 45 58.78	29.018	- 1 46.2	[6.4]	5 31 . . .	. . .	. . .	. . .
37	α Orionis	8	49	39.58	- 0.28	+ 4.54	328 24 0.75	30.972	- 1 33.5	[2.7]	5 49 . . .	. . .	. . .	. . .
38	Venus I	5	9	44.53	- 0.20	+ 4.59	344 12 . . .	. . .	. . .	. . .	6 9 48.92	+ 0.28	. . .	. . .
39	Venus II. . . .	6	9	45.13	- 0.20	+ 4.59	. . .	. . .	. . .	. . .	6 9 49.52	- 0.32	. . .	. . .
July 12, See.														
40	Sun I	11	25	42.04	- 0.23	+ 4.62	342 58 . . .	. . .	. . .	. . .	7 25 46.43	+ 68.15	. . .	. . .
41	Sun II	11	27	58.33	- 0.23	+ 4.62	. . .	. . .	. . .	. . .	7 28 2.72	- 68.14	. . .	. . .
42	Mercury I	11	10	49.80	- 0.30	+ 4.67	338 2 . . .	. . .	. . .	. . .	9 10 54.17	+ 0.23	. . .	. . .
43	α Leonis	11	2	57.07	- 0.36	+ 4.75	333 29 57.10	26.946	- 1 26.8	[1.5]	10 3 . . .	. . .	. . .	. . .
44	Moon I	11	55	24.46	- 0.48	+ 4.72	321 44 . . .	. . .	. . .	. . .	10 55 28.70	+ 61.14	. . .	. . .
45	α Bootis	11	11	1.60	- 0.31	+ 4.77	340 44 1.70	28.506	- 1 19.2	[4.1]	14 11 . . .	. . .	. . .	. . .
46	ε Bootis	11	40	32.91	- 0.23	+ 4.87	348 31 51.68	27.741	- 1 11.1	[5.6]	14 40 . . .	. . .	. . .	. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Deff. Ill.		Sum.	
d	h m	in.	°	°					' "	' "	' "		' "	
10	16 34	29.94	72.2	71.1	3, 27.	Bisections at II, VI.		3	+	0.9	+	9.5	.	+ 10.4
17	26	29.935	70.7	69.6	4, 26.	Bisections at I, VII.		4	+	0.9	-	9.4	.	- 8.5
5	3	30.00	82.0	80.0	9, 14, 32.	Bisections at VI, VII.		11	+	1.5	.	.	0.0	+ 1.5
5	38	30.00	83.5	81.1	13.	Bisections at I, II.		13	+	2.4	-15	45.8	.	-15 43.4
6	11	30.00	83.7	81.9	21.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .		14	+	2.5	+15	45.7	.	+15 48.2
7	23	29.99	84.5	83.6	22.	Bisections at II, VI, VII.		15	+	3.1	.	.	0.3	+ 2.8
9	3	29.98	86.0	84.8	31.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .		26	+	0.9	-	9.7	.	- 8.8
9	50	29.97	85.0	83.3				27	+	0.9	+	9.7	.	+ 10.6
10	21	29.96	84.5	82.9										
13	18	29.93	81.2	80.0										
14	15	29.93	79.0	77.8										
16	26	29.93	74.0	71.8										
17	35	29.93	72.0	70.0										
0	58	29.91	67.0	66.0										
1	27	29.91	68.0	67.5										
1	45	29.91	68.5	68.6										
3	14	29.93	73.9	74.3										
4	22	29.94	77.8	78.0										
5	54	29.93	79.2	81.1										
7	28	29.92	85.0	83.7										
9	12	29.91	88.4	87.1										
10	58	29.87	88.4	87.6										
14	15	29.85	79.8	76.9										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correct. on.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^2 Libræ	11	45 16.78	-0.69	+4.78	305 23 53.32	30.865	-1 17.0	[3.3]	14 45 . .	. .		. .
2	α Ursæ Minoris	11	22 14.33	+13.93	[+2.03]	49 46 12.48	28.720	+1 5.8	[4.9]	1 22 . .	. .		. .
3	β Arietis	11	49 1.72	-0.28	[+4.85]	341 20 2.58	29.982	-18.7	[7.8]	1 49 . .	. .		. .
July 12, L.													
4	α Tauri	11	30 4.95	-0.32	+4.84	337 19 59.32	28.915	-22.7	5.3	4 30 . .	. .		. .
5	γ Aurigæ	11	50 22.45	-0.18	+4.83	354 1 58.75	28.200	-5.6	6.1	4 50 . .	. .		. .
6	β Orionis	11	9 38.05	-0.53	+4.91	312 42 0.02	31.359	-58.3	6.1	5 9 . .	. .		. .
7	β Tauri	11	19 51.84	-0.23	+4.83	349 31 58.68	30.324	-9.9	5.1	5 19 . .	. .		. .
8	Venus I, N.	6	15 2.83	-0.29	+4.89	344 14 1.38	29.158	-15.1	5.6	6 15 7.43	+0.39	+23 12 44.0	. .
9	Venus II, S.	5	15 3.65	-0.29	+4.89	344 14 1.38	28.822	-15.1	5.6	6 15 8.25	-0.43	+23 12 34.3	. .
July 13, L.													
10	Sun I	11	29 45.75	-0.32	4.93	342 50 . .	. .	. .	. .	7 29 50.36	+68.16		. .
11	Sun II	11	32 2.07	-0.32	4.93		. .	. .	. .	7 32 6.68	-68.16		. .
July 13, K.													
12	γ Aurigæ	7	50 22.09	-0.22	+5.26	354 1 54.18	28.286	-5.7	3.9	4 50 . .	. .		. .
13	β Orionis	11	9 37.50	-0.53	+5.47	312 42 1.75	31.244	59.4	3.1	5 9 . .	. .		. .
14	β Tauri	7	19 51.32	-0.26	+5.40	349 32 0.18	30.225	10.1	3.7	5 19 . .	. .		. .
15	α Orionis	11	49 38.80	-0.41	+5.48	328 24 1.08	30.954	33.7	2.0	5 49 . .	. .		. .
16	Venus I, C.	5	20 21.33	-0.30	+5.43	344 14 4.12	29.492	15.4	3.2	6 20 26.46	+0.35	+23 12 58.3	. .
17	Venus II	6	20 22.06	-0.30	+5.43		. .	. .	. .	6 20 27.19	-0.38		. .
July 14, B.													
18	α Tauri	11	30 4.15	-0.39	+5.76	337 20 0.88	28.928	-22.8	6.9	4 30 . .	. .		. .
19	γ Aurigæ	11	50 21.61	-0.26	+5.81	354 1 58.32	28.222	-5.7	6.2	4 50 . .	. .		. .
20	δ Orionis	11	26 47.08	-0.54	+5.82	320 38 3.40	32.116	44.6	7.3	5 26 . .	. .		. .
21	α Orionis	11	49 38.52	-0.48	+5.85	328 24 2.85	31.015	33.4	5.7	5 49 . .	. .		. .
22	Venus I, C.	6	25 39.80	-0.37	+5.85	344 14 1.92	28.824	-15.3	6.5	6 25 45.28	+0.45	+23 12 33.9	. .
23	Venus II	2	25 40.75	-0.37	+5.85		. .	. .	. .	6 25 46.23	0.50		. .
July 15, B.													
24	Sun I, N.	11	37 51.35	-0.40	+5.88	342 46 9.08	31.035	-16.7	6.5	7 37 56.83	+68.00	+21 45 42.4	. .
25	Sun II, S.	11	40 7.35	-0.40	+5.88	342 14 5.58	32.058	-17.2	6.5	7 40 12.83	-68.00	+21 14 8.0	. .
July 16, I.a.													
26	γ Aurigæ	11	50 21.03	-0.27	+6.46	354 2 2.85	28.032	-5.6	5.4	4 50 . .	. .		. .
27	β Orionis	11	9 36.69	-0.70	+6.52	312 42 4.15	31.254	-58.8	5.9	5 9 . .	. .		. .
28	β Tauri	11	19 50.39	0.33	+6.48	349 32 2.15	30.199	-10.0	5.0	5 19 . .	. .		. .
29	ϵ Orionis	11	31 1.01	0.63	+6.51	319 46 7.92	28.722	-45.8	6.8	5 31 . .	. .		. .
July 17, I.a.													
30	Sun I, N.	11	45 55.06	-0.47	+6.56	342 28 5.08	27.365	-17.0	5.8	7 46 1.15	+67.79	+21 25 54.2	. .
31	Sun II, S.	11	48 10.65	-0.47	+6.56	341 56 5.00	28.370	-17.6	5.8	7 48 16.74	-67.80	+20 54 22.7	. .
32	α Virginis	11	19 49.05	-0.84	[+6.85]	310 24 . .	. .	. .	. .	13 19 . .	. .		. .
33	α Ursæ Minoris s. p.	7	22 57.26	-26.60	[+4.56]	52 14 . .	. .	. .	. .	1 22 . .	. .		. .
34	α^2 Capricorni	10	12 25.34	0.77	+6.89	308 10 4.25	31.132	-1 10.3	7.8	20 12 . .	. .		. .
35	ϵ Delphini	11	28 20.84	0.54	+6.91	331 58 2.48	32.055	-29.4	9.4	20 28 . .	. .		. .
36	B. D. -6°, 5563	10	37 26.56	0.70	+6.89	314 46 5.42	31.255	-55.6	8.6	20 37 32.75	-4.17	6 10 15.0	-16.0
37	B. D. 5°, 5421	11	51 18.86	-0.69	+6.89	315 36 3.12	30.856	-54.0	8.6	20 51 25.06	-4.12	5 20 27.1	-16.8
38	B. D. 3°, 5234	11	26 58.34	0.67	+6.91	317 46 3.38	28.338	50.1	8.6	21 27 4.58	-4.00	3 11 34.7	-18.6
39	ϵ Aquarii	11	32 20.44	-0.71	+6.90	312 41 51.45	33.588	-59.8	7.5	21 32 . .	. .		. .
40	α Aquarii	11	0 33.44	-0.64	+6.89	320 12 8.20	32.169	-46.0	9.7	22 0 . .	. .		. .
41	α Ursæ Minoris	11	22 15.73	+13.83	[+6.24]	49 46 4.20	29.158	+1 6.2	[9.3]	1 22 . .	. .		. .
42	α Arietis	11	1 25.07	-0.38	[+6.89]	344 0 4.28	30.292	-15.9	[7.6]	2 1 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.				No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°						' "	' "	"	' "
12 14 50	29.85	78.1	76.7	2.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .			8	+	1.5	-4.8	0.0 - 3.3
1 10	29.85	70.9	69.8	5.	Bisections at II, VI, VII.			9	+	1.5	+4.9	+ 6.4
4 50	29.85	73.0	72.9	8.	Bisections at II, VI.			16	+	1.4	. .	0.0 + 1.4
4 32	29.87	81.8	82.3					22	+	1.4	. .	0.0 + 1.4
5 11	29.87	87.0	85.9	9.	Bisections at I, VII.			24	+	2.5	-15 47.1	-15 44.6
5 22	29.87	88.2	86.2	24, 30.	Bisections at I, II.			25	+	2.6	+15 47.2	+15 49.8
6 12	29.83	88.9	88.5	25, 31, 38.	Bisections at VI, VII.			30	+	2.6	-15 45.7	-15 43.1
7 32	29.83	91.5	91.8	36.	Bisections at I, VI, VII.			31	+	2.7	+15 45.7	+15 48.4
4 52	29.80	76.4	74.9	36, 37, 38.	Z. D. thread A used.							
5 51	29.805	78.0	75.9		Bisections at C ₃ , C ₄ , C ₅ .							
6 22	29.795	78.4	76.6									
14 4 25	29.84	83.8	82.2									
5 55	29.85	84.8	82.2									
7 40	29.84	86.8	85.1									
16 4 48	29.81	80.7	80.2									
5 25	29.82	84.8	82.2									
17 7 48	29.80	86.3	85.0									
13 12	29.72	79.7	77.8									
20 20	29.77	71.8	70.9									
22 3	29.76	71.8	70.7									
1 17	29.82	68.4	67.2									
2 6	29.845	69.6	68.7	36, 37, 38.	Bright wire illumination.							

Number.	DATE, OBSERVER, AND OBJECT.		Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
					Instrument.	Clock.								
July 17, Br.														
1	β	Orionis	11	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	β	Tauri	11	9 36.31	- 0.62	+ 6.84	312 42 3.48	31.378	- 59.9	7.6	5 9 .	.	.	.
3	ϵ	Orionis	11	19 50.11	- 0.37	+ 6.83	349 32 3.60	30.205	- 10.2	6.4	5 19 .	.	.	.
4	α	Orionis	11	31 0.56	- 0.58	+ 6.93	319 46 4.65	28.970	- 46.8	9.5	5 31 .	.	.	.
5	γ	Geminorum	11	49 37.55	- 0.52	+ 6.93	328 24 7.08	30.949	- 34.0	7.2	5 49 .	.	.	.
6	γ	Venus I, S.	11	31 47.95	- 0.46	+ 6.96	337 30 5.12	30.149	- 22.8	7.4	6 31 .	.	.	.
7		Venus II, N.	6	41 35.78	- 0.42	+ 6.93	344 8 3.95	30.260	- 15.6	7.2	6 41 42.29	+ 0.38	+ 23 7 15.7	.
		Venus II, N.	5	41 36.57	- 0.42	+ 6.93	344 8 3.95	30.622	- 15.6	7.2	6 41 43.08	- 0.41	+ 23 7 26.2	.
July 18, Br.														
8		Sun I, S.	11	49 55.94	- 0.44	+ 6.97	341 43 55.78	31.992	- 18.1	7.2	7 50 2.47	+ 67.77	+ 20 43 54.3	.
9		Sun II, N.	11	52 11.48	- 0.44	+ 6.97	342 15 56.40	30.998	- 17.5	7.2	7 52 18.01	- 67.77	+ 21 15 27.7	.
10	α	Hydrae	9	22 32.64	- 0.68	+ 6.99	312 47 59.95	30.380	- 59.0	6.1	9 22 .	.	.	.
11		Mercury C, C.	11	39 6.65	- 0.51	+ 7.03	334 48 0.25	28.060	- 25.7	7.2	9 39 13.17	+ 0.01	+ 13 45 59.4	.
12	α	Leonis	11	2 54.93	- 0.53	+ 7.04	333 30 3.35	26.962	- 27.3	7.7	10 3 .	.	.	.
13	γ	Leonis	11	14 19.58	- 0.46	+ 7.07	341 22 2.50	29.824	- 18.4	6.2	10 14 .	.	.	.
14	δ	Leonis	11	8 39.68	- 0.46	+ 7.09	342 6 1.40	28.746	- 17.6	6.5	11 8 .	.	.	.
15	δ	Scorpii	11	54 36.94	- 0.76	- 10.55	298 41 59.12	30.196	- 1 40.3	7.3	15 54 .	.	.	.
16		Moon I, N.	11	3 25.90	- 0.79	- 10.54	297 19 54.95	29.239	- 1 46.3	7.8	16 3 14.57	+ 72.67	23 42 53.3	.
17	α	Scorpii	11	23 28.47	- 0.80	- 10.53	294 49 57.65	30.065	- 1 58.7	7.0	16 23 .	.	.	.
18	ζ	Ophiuchi	11	31 50.90	- 0.64	- 10.53	310 40 0.75	29.799	- 1 4.3	8.7	16 31 .	.	.	.
19	κ	Ophiuchi	11	53 7.85	- 0.47	- 10.53	330 33 59.48	28.194	- 31.2	8.1	16 52 .	.	.	.
20	α^2	Capricorni	11	12 42.46	- 0.59	- 10.40	308 10 1.40	31.294	- 1 10.6	9.2	20 12 .	.	.	.
21	ϵ	Delphini	11	28 38.08	- 0.41	- 10.45	331 58 4.90	31.954	- 29.6	8.5	20 28 .	.	.	.
22		B. D. -6°, 5563	9	37 43.79	- 0.53	- 10.45	314 46 4.68	31.405	- 55.8	9.5	20 37 32.81	- 4.18	- 6 10 12.5	- 16.2
23		B. D. -5°, 5421	11	51 36.11	- 0.51	- 10.44	315 36 5.22	30.798	- 54.2	9.5	20 51 25.16	- 4.14	- 5 20 27.7	- 17.0

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Tauri	10	20 6.50	-0.24	-9.64	349 31 58.32	30.469	-10.0	8.9	5 19 . .	. .		. .
2	ϵ Orionis	11	31 17.15	-0.54	-9.66	319 46 1.08	29.068	-46.0	9.2	5 31 . .	. .		. .
3	α Orionis	11	49 54.18	-0.46	-9.72	328 24 1.35	31.152	-33.4	7.7	5 49 . .	. .		. .
4	Venus I, N.	6	52 29.70	-0.32	-9.60	344 1 55.80	29.062	-15.5	8.2	6 52 19.78	+0.40	+23 0 32.7	. .
5	Venus II, S.	5	52 30.53	-0.32	-9.60	344 1 55.80	28.710	-15.5	8.2	6 52 20.61	-0.43	+23 0 22.5	. .
July 20, L.													
6	Sun I, S.	11	58 13.47	-0.36	-9.56	341 22 2.78	31.838	-18.1	8.2	7 58 3.55	+67.73	+20 21 55.9	. .
7	Sun II, N.	11	0 28.94	-0.36	-9.56	341 53 57.78	31.078	-17.6	8.2	8 0 19.02	-67.74	+20 53 30.3	. .
8	Mercury C, C.	11	47 16.25	-0.49	-9.49	333 44 3.22	28.661	-26.5	8.2	9 47 6.27	0.0	+12 42 17.7	. .
9	b Ophiuchi	11	20 26.95	-1.05	-9.30	296 58 2.10	28.739	-1 46.9	7.8	17 20 . .	. .		. .
10	γ^2 Sagittarii	10	59 34.42	-1.17	-9.18	290 38 2.80	28.954	-2 24.0	8.4	17 59 . .	. .		. .
11	μ Sagittarii	11	7 58.16	1.00	-9.19	299 58 0.22	28.264	-1 34.7	8.7	18 7 . .	. .		. .
12	Moon I, S.	11	13 49.86	-1.07	-9.19	296 52 0.65	26.697	-1 47.6	8.1	18 13 39.60	+75.04	-24 12 1.6	. .
13	ι Aquilæ	11	29 56.87	-0.80	-9.14	312 42 0.28	31.821	-59.3	7.6	18 29 . .	. .		. .
14	α^2 Capricorni	11	12 41.40	-0.86	-9.05	308 10 4.55	31.125	-1 9.9	8.0	20 12 . .	. .		. .
15	π Capricorni	11	21 46.98	-0.95	-9.05	302 30 4.72	29.425	-1 26.2	7.9	20 21 . .	. .		. .
July 20, K.													
16	β Orionis	11	9 51.94	-0.80	-8.54	312 42 5.90	31.252	-58.7	7.1	5 9 . .	. .		. .
17	β Tauri	11	20 5.61	-0.30	-8.66	349 32 3.32	30.220	-10.0	6.8	5 19 . .	. .		. .
18	ϵ Orionis	11	31 16.17	-0.70	-8.49	319 46 2.40	28.945	-45.9	7.0	5 31 . .	. .		. .
19	α Orionis	11	49 53.18	-0.59	-8.57	328 24 10.88	30.762	-33.3	6.1	5 49 . .	. .		. .
20	Venus I, C.	6	57 47.30	-0.38	-8.52	343 58 6.15	27.466	-15.5	5.8	6 57 38.40	+0.37	+22 55 59.9	. .
21	Venus II	5	57 48.07	-0.38	-8.52				. .	6 57 39.17	-0.40		. .
July 21, K.													
22	Sun I, S.	11	2 12.25	-0.42	-8.49	341 11 58.42	28.825	-18.2	5.1	8 2 3.34	+67.58	+20 10 28.7	. .
23	Sun II, N.	11	4 27.42	-0.42	-8.49	341 44 12.45	27.345	-17.7	5.1	8 4 18.51	-67.59	+20 42 1.6	. .
24	Mercury I, C.	11	50 53.62	-0.54	-8.44	333 11 59.00	30.636	-27.0	3.9	9 50 44.64	+0.26	+12 11 13.6	. .
25	α Leonis	11	3 10.42	-0.54	-8.44	333 30 5.05	26.734	-26.6	3.5	10 3 . .	. .		. .
26	γ^1 Leonis	11	14 35.04	-0.43	-8.42	341 22 9.62	29.479	-18.0	4.0	10 14 . .	. .		. .
27	ζ Aquilæ	11	0 58.61	-0.57	-8.08	334 44 5.72	29.900	-25.8	6.5	19 0 . .	. .		. .
28	d Sagittarii	11	11 57.36	-1.10	-8.09	301 54 4.85	30.352	-1 27.5	[3.6]	19 11 . .	. .		. .
29	Moon I, S.	11	20 2.99	-1.16	-8.10	299 32 15.50	27.429	-1 36.1	6.6	19 19 53.73	+74.32	-21 31 15.7	. .
30	κ Aquilæ	11	31 40.85	-0.89	-8.14	313 46 0.90	31.390	-57.0	6.7	19 31 . .	. .		. .
July 21, B.													
31	β Orionis	11	9 51.11	-0.82	-7.66	312 42 6.88	31.185	-58.7	[6.0]	5 9 . .	. .		. .
32	β Tauri	11	20 4.74	-0.27	-7.79	349 32 7.68	30.085	-10.0	[7.3]	5 19 . .	. .		. .
33	δ Orionis	11	27 0.81	-0.70	-7.60	320 38 11.10	31.858	-44.4	[6.8]	5 26 . .	. .		. .
34	ϵ Orionis					319 46 3.12	28.908	-45.8	[6.7]	5 31 . .	. .		. .
35	γ Geminorum	11	32 2.65	-0.48	-7.64	337 30 10.55	29.806	-22.3	[3.4]	6 31 . .	. .		. .
36	Venus I	5	3 4.59	-0.38	-7.61	343 52 . .			. .	7 2 56.60	+0.40		. .
37	Venus II	6	3 5.43	-0.38	-7.61				. .	7 2 57.44	-0.44		. .
July 22, B.													
38	Sun I	11	6 10.40	-0.44	-7.57	341 16 . .			. .	8 6 2.39	+67.53		. .
39	Sun II	11	8 25.46	-0.44	-7.57				. .	8 8 17.45	-67.53		. .
40	α Virginis	11	20 3.41	-1.08	-7.32	310 24 7.90	28.315	-1 2.8	[4.3]	13 19 . .	. .		. .
41	α Ursæ Minoris S. P.	9	23 34.77	-45.83	[8.35]	52 14 0.25	28.868	+1 9.2	[10.1]	1 22 . .	. .		. .
42	η Bootis	11	50 3.04	-0.53	-7.34	339 56 4.68	27.886	-19.6	[3.7]	13 49 . .	. .		. .
43	α Bootis	11	11 13.76	-0.52	-7.31	340 44 4.22	28.411	-18.8	[3.7]	14 11 . .	. .		. .
44	ρ Bootis	11	27 38.86	-0.27	-7.33	351 50 2.52	29.139	-7.7	[5.3]	14 27 . .	. .		. .
45	β Aquilæ	11	50 33.11	-0.78	-7.14	327 10 7.18	31.339	-35.4	8.5	19 50 . .	. .		. .

Time.	Baroni.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
19 5 35	29.86	83.8	81.7	4.	Bisections at II, VI.	4	+ 1.5	- 5.1	0.0	- 3.6
5 52	29.865	85.1	82.3	5.	Bisections at I, VII.	5	+ 1.5	+ 5.1	. .	+ 6.6
6 54	29.87	85.9	84.1	6, 22.	Bisections at I, II.	6	+ 2.7	+15 47.2	. .	+15 49.9
20 8 0	29.865	87.8	86.3	7, 23.	Bisections at VI, VII.	7	+ 2.7	-15 47.2	. .	-15 44.5
9 49	29.85	89.4	87.7	12.	Bisections at II, III, IV, V, VI.	8	+ 4.4		- 0.1	+ 4.3
17 23	29.835	79.9	78.5	29.	Bisections at IV, V, VI, VII.	12	+53 45.7	+16 30.1	. .	+70 15.8
18 34	29.835	78.1	76.8	41.	Bisections at C ₃ , C ₂ , C ₁ .	20	+ 1.4		0.0	+ 1.4
20 14	29.83	77.0	74.7			22	+ 2.8	+15 46.4	. .	+15 49.2
5 7	29.83	81.4	81.6			23	+ 2.7	-15 46.4	. .	-15 43.7
5 52	29.835	85.0	82.9			24	+ 4.6		- 0.6	+ 4.0
6 59	29.83	87.1	85.2			29	+52 55.6	+16 39.6	. .	+69 35.2
6 4	29.82	88.9	87.7							
9 28	29.80	91.3	89.8							
10 20	29.795	91.3	89.3							
18 58	29.79	79.0	77.8							
19 33	29.79	78.5	77.4							
5 14	29.88	82.8	82.7							
5 40	29.88	85.0	83.7							
6 34	29.89	88.2	86.3							
7 3	29.89	88.8	87.1							
22 8 8	29.875	90.6	89.6							
13 11	29.85	92.0	90.3							
14 31	29.84	88.2	87.1							
19 52	29.87	79.0	77.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ-INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
		m s	s	s	s	° / //	rev.	/ //	//	h m s	s	° / //	//
1	ϵ Aquilæ	11	59 24.30	- 0.76	- 7.11	327 59 54.92	32.341	- 34.2	6.3	19 59 . . .	. . .	. . .	. . .
2	α^2 Capricorni	11	12 39.73	- 1.08	- 7.14	308 10 10.78	30.935	- 1 9.6	[9.0]	20 12 . . .	. . .	. . .	. . .
3	Moon II	11	26 42.56	- 1.19	- 7.11	304 5 . . .	. . .	. . .	. . .	20 26 34.26	- 72.71	. . .	. . .
4	B. D. -6°, 5563	11	37 40.77	- 0.96	- 7.11	314 56 6.32	29.915	- 55.1	6.4	20 37 32.70	- 4.26	6 10 18.3	- 16.7
5	B. D. -6°, 5574	7	40 17.77	- 0.96	- 7.11	314 56 6.32	35.200	- 54.9	6.4	20 40 9.70	- 4.26	6 2 59.3	- 16.9
6	B. D. -5°, 5421	11	51 33.17	- 0.95	- 7.10	315 46 2.62	29.798	- 53.6	6.4	20 51 25.12	- 4.22	5 20 23.8	- 17.6
7	B. D. -3°, 5234	11	27 12.54	- 0.91	- 7.08	317 50 4.78	29.655	- 49.7	6.4	21 27 4.55	- 4.11	3 11 33.7	- 19.5
8	B. D. -3°, 5241	6	28 24.40	- 0.91	- 7.08	317 50 4.78	28.535	- 49.6	6.4	21 28 16.41	- 4.11	3 7 24.9	- 19.5
9	B. D. -1°, 4212	11	47 4.29	- 0.88	- 7.07	319 18 7.50	26.098	- 47.3	6.4	21 46 56.34	- 4.04	1 45 9.9	- 20.2
10	θ Aquarii	11	11 42.30	- 0.98	- 7.02	312 44 0.72	31.684	- 59.4	4.7	22 11 . . .	. . .	. . .	. . .
11	π Aquarii	11	20 18.95	- 0.84	- 7.08	321 54 8.78	28.846	- 43.1	6.2	22 20 . . .	. . .	. . .	. . .
12	β Andromedæ	11	4 15.10	- 0.24	- 6.93	356 6 4.05	29.789	- 3.7	[5.5]	1 4 . . .	. . .	. . .	. . .
13	α Ursæ Minoris	6	22 13.80	+ 35.36	[8.09]	49 46 4.88	29.150	+ 1 5.4	[8.2]	1 22 . . .	. . .	. . .	. . .
July 27, L.													
14	α Virginis	11	19 59.59	- 1.34	- 3.30	310 24 8.30	28.315	- 1 2.7	[4.4]	13 19 . . .	. . .	. . .	. . .
15	α Ursæ Minoris s. p.	7	23 31.70	- 43.16	[3.27]	52 14 1.52	28.532	+ 1 9.2	[2.2]	1 22 . . .	. . .	. . .	. . .
16	η Bootis	11	49 59.19	- 0.77	- 3.33	339 56 7.42	27.809	- 19.6	[4.2]	13 49 . . .	. . .	. . .	. . .
17	ϵ Piscium	11	57 49.37	- 0.95	- 3.04	328 22 3.38	30.568	- 33.8	5.9	0 57 . . .	. . .	. . .	. . .
18	β Andromedæ	11	4 11.71	- 0.45	- 3.15	356 6 3.70	29.795	- 3.7	4.3	1 4 . . .	. . .	. . .	. . .
19	Moon II, N.	11	11 34.22	- 0.89	- 3.07	333 32 5.82	29.506	- 27.3	5.4	1 11 30.26	- 67.80	+ 12 30 46.5	. . .
20	α Ursæ Minoris	8	22 13.32	+ 33.02	[6.57]	49 46 5.50	29.048	+ 1 5.0	[4.8]	1 22 . . .	. . .	. . .	. . .
21	σ Piscium	11	40 10.64	- 0.92	- 3.01	329 40 8.62	30.665	- 32.1	6.5	1 40 . . .	. . .	. . .	. . .
22	β Arietis	11	49 10.55	- 0.73	- 3.05	341 20 5.18	29.880	- 18.5	5.0	1 49 . . .	. . .	. . .	. . .
July 27, K.													
23	α Orionis	11	49 47.78	- 0.89	- 2.71	328 24 7.78	30.795	- 33.5	3.1	5 49 . . .	. . .	. . .	. . .
24	γ Geminorum	11	31 58.10	- 0.75	- 2.90	337 30 9.12	29.869	- 22.5	3.5	6 31 . . .	. . .	. . .	. . .
25	α Canis Majoris	11	40 47.05	- 1.28	- 2.69	304 28 7.70	28.359	- 1 18.9	[5.5]	6 40 . . .	. . .	. . .	. . .
26	Venus I, C.	6	34 40.88	0.65	- 2.72	343 8 8.82	27.421	- 16.4	3.6	7 34 37.51	+ 0.28	+ 22 6 2.6	. . .
27	Venus II.	5	34 41.46	- 0.65	- 2.72	. . .	. . .	. . .	. . .	7 34 38.09	- 0.30	. . .	. . .
July 28, K.													
28	Sun I, S.	11	29 48.25	- 0.71	- 2.68	339 42 9.98	28.795	- 20.0	3.6	8 29 44.86	+ 67.05	+ 18 40 39.0	. . .
29	Sun II, N.	11	32 2.35	- 0.71	- 2.68	340 14 11.80	27.702	- 19.4	3.6	8 31 58.96	- 67.05	+ 19 12 11.0	. . .
30	α Leonis	4	3 4.87	- 0.81	- 2.62	333 30 5.40	26.752	- 26.9	4.2	10 3 . . .	. . .	. . .	. . .
31	α Ursæ Minoris	8	23 18.00	- 29.10	[2.09]	49 46 6.92	31.235	+ 1 6.0	[69.3]	1 22 . . .	. . .	. . .	. . .
32	σ Piscium	11	40 8.70	+ 0.13	- 2.09	329 40 6.58	32.962	- 32.5	69.3	1 40 . . .	. . .	. . .	. . .
33	β Arietis	11	49 8.88	+ 0.02	- 2.10	341 20 5.05	32.129	- 18.8	68.5	1 49 . . .	. . .	. . .	. . .
34	α Arietis	11	1 34.04	- 0.01	- 2.08	344 0 7.42	32.366	- 15.9	67.9	2 1 . . .	. . .	. . .	. . .
35	Moon II, N.	11	6 21.75	+ 0.05	- 2.08	338 6 4.45	31.173	- 22.3	68.6	2 6 19.72	- 68.19	+ 17 4 34.4	. . .
August 4, E.													
36	α Virginis	11	19 52.25	- 0.18	[+ 2.79]	310 24 7.50	29.439	- 1 2.7	[35.2]	13 19 . . .	. . .	. . .	. . .
37	α Ursæ Minoris s. p.	6	23 8.17	- 15.64	[+ 1.12]	52 14 3.30	29.615	+ 1 9.2	[36.5]	1 22 . . .	. . .	. . .	. . .
38	β Andromedæ	11	4 5.29	+ 0.11	+ 2.97	356 6 1.18	31.045	- 3.7	[35.5]	1 4 . . .	. . .	. . .	. . .
39	α Ursæ Minoris	9	22 41.16	+ 12.59	[+ 0.35]	49 46 4.52	30.324	+ 1 4.8	[38.4]	1 22 . . .	. . .	. . .	. . .
40	σ Piscium	11	40 3.94	- 0.03	+ 3.04	329 40 5.45	31.882	- 31.9	[36.8]	1 40 . . .	. . .	. . .	. . .
August 4, B.													
41	α Orionis	10	49 41.16	+ 0.01	+ 3.20	328 24 1.00	32.200	- 33.2	35.9	5 49 . . .	. . .	. . .	. . .
42	Venus I, C.	6	16 14.37	+ 0.05	+ 3.34	341 32 7.15	28.956	- 17.9	35.4	8 16 17.76	+ 0.47	20 30 11.4	. . .
43	Venus II	5	16 15.32	+ 0.05	+ 3.34	. . .	. . .	. . .	. . .	8 16 18.71	- 0.48	. . .	. . .
August 5, B.													
44	Sun I, N.	11	0 45.65	+ 0.02	+ 3.37	338 12 1.95	30.692	- 21.4	35.4	9 0 49.04	+ 66.28	- 17 10 51.8	. . .
45	Sun II, S.	11	2 58.21	+ 0.02	+ 3.37	337 40 5.10	31.382	- 22.0	35.4	9 3 1.60	- 66.28	+ 16 39 14.8	. . .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				/ //	/ //	//	/ //
22 21 14	29.85	77.0	75.9	4, 5, 6, 7, 28, 44.	Bisections at I, II.	19	+ 25 45.1	- 15 56.0	. . .	+ 9 49.1
22 22 25	29.86	76.4	75.4	4, 6.	Z. D. thread B used.	26	+ 1.5	. . .	+ 0.1	+ 1.6
27 13 31	29.72	75.2	73.7	8, 29, 30, 32, 45.	Bisections at VI, VII.	28	+ 3.0	+ 15 46.0	. . .	+ 15 49.0
27 0 55	29.79	77.5	76.0	8.	Z. D. thread A used.	29	+ 2.9	- 15 45.9	. . .	- 15 43.0
1 45	29.79	76.1	74.9	13.	Bisections at C ₁ , C ₂ , C ₃ .	35	+ 21 10.6	- 15 41.2	. . .	+ 5 29.4
5 48	29.85	81.8	80.5	15, 20.	Bisections at C ₁ , C ₂ .	42	+ 1.7	. . .	+ 0.1	+ 1.8
6 42	29.845	85.0	81.9	19, 35.	Bisections at II, III, IV, V, VI.	44	+ 3.2	- 15 48.4	. . .	- 15 45.2
7 36	29.85	86.2	83.3	31.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	45	+ 3.3	+ 15 48.5	. . .	+ 15 51.8
8 32	29.85	87.0	84.0	37.	Bisections at C ₂ , C ₁ .					
10 0	29.84	86.8	84.6	39.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .					
12 45	29.80	70.4	68.4							
2 35	29.82	70.6	68.7							
13 39	29.69	90.0	87.1							
1 0	29.68	76.5	75.0							
1 46	29.68	76.5	76.5							
5 51	29.75	84.2	83.7							
8 17	29.75	87.8	86.1	12 to 16.	Change of temperature, etc., derived from the Met. Journal.					
5 9 5	29.75	88.0	87.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.			CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instrument.	Clock.								
		m s	s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Leonis	10 2	58.02	0.02	3.45	333 30 6.30	27.785	26.6	34.8	10 3			
2	α Canum Venat.	11 10	36.21	0.04	4.99	337 6 3.62	33.205	23.0	36.1	9 10	41.24	-66.12	+16 37 39.0
3	α Ursæ Minoris s. p.	8 23	11.68	-20.13	[2.98]	359 52 3.48	31.805	0.1	35.6	12 51			
4	η Bootis.	11 49	51.41	0.02	3.58	339 56 4.68	29.044	19.6	[36.4]	13 49			
August 6, La.													
5	γ Geminorum	11 31	49.96	-0.07	4.85	337 29 57.45	31.448	22.8	36.2	6 31			
6	α Canis Majoris	11 40	38.33	+0.07	4.87	304 28 1.75	29.831	20.1	[38.5]	6 40			
7	α ² Geminorum	11 28	6.84	+0.06	4.76	353 8 1.92	29.460	6.6	36.8	7 28			
8	α Canis Minoris	11 33	57.84	+0.05	4.89	326 29 57.45	31.630	36.3	37.6	7 34			
9	Venus I. C.	6 26	29.64	+0.05	4.94	341 2 2.60	29.001	18.8	36.1	8 26	34.63	+0.42	+20 0 6.5
10	Venus II	5 26	30.50	+0.05	4.94					8 26	35.49	-0.44	
August 7, La.													
11	Sun I, N.	11 8	23.98	+0.04	4.98	337 38 1.68	32.418	22.4	36.1	9 8	29.00	+66.12	+16 37 39.0
12	Sun II, S.	11 10	36.21	+0.04	4.99	337 6 3.62	33.205	23.0	36.1	9 10	41.24	-66.12	+16 6 3.5
13	α Leonis	10 2	56.35	+0.03	5.08	333 30 3.40	27.944	27.2	36.0	10 3			
14	Mercury I, C.	10 15	28.56	+0.02	5.06	327 22 2.15	28.602	34.9	36.1	10 15	33.64	+0.34	+6 19 38.7
15	δ Leonis	11 8	41.09	+0.02	5.10	342 6 0.48	29.765	17.6	35.6	11 8			
16	β Leonis	11 43	51.33	-0.02	5.20	336 10 2.70	28.975	24.0	35.1	11 43			
17	α Canum Venat.	11 51	14.89	+0.06	5.17	359 51 55.40	32.066	0.1	35.1	12 51			
18	α Virginis.	11 19	49.65	-0.11	5.28	310 24 6.12	29.606	1 3.8	[37.2]	13 19			
19	α Ursæ Minoris s. p.	10 23	0.22	-7.97	[3.95]	52 14 0.90	29.640	+1 10.3	[36.4]	1 22			
20	α ² Capricorni.	11 12	26.15	+0.01	5.47	308 9 59.88	32.332	1 10.3	36.3	20 12			
21	π Capricorni.	11 21	31.67	0.00	5.46	302 30 2.10	30.606	1 26.7	37.9	20 21			
22	γ Aquarii	11 32	21.36	+0.03	5.56	312 41 59.32	34.510	59.9	39.3	21 32			
23	B. D.—1°, 4212.	11 46	51.01	+0.04	5.54	319 14 0.25	25.758	48.0	38.5	21 46	56.59	4.27	1 45 6.9 -22.4
24	α Aquarii	11 0	34.42	+0.05	5.58	320 12 1.70	33.602	46.4	40.5	22 0			
25	α Ursæ Minoris	11 22	50.90	2.37	[8.08]	49 46 1.60	30.409	+1 6.7	[39.2]	1 22			
26	ο Piscium	11 40	1.21	+0.14	5.69	329 40 2.40	32.142	32.9	[39.6]	1 40			
27	β Arietis	11 49	1.36	+0.13	5.63	341 20 3.85	31.201	19.0	[38.9]	1 49			
August 7, Fi.													
28	γ Geminorum	11 31	49.14	+0.14	5.62	337 30 4.95	31.228	23.0	37.2	6 31			
29	α Canis Majoris	11 40	37.43	+0.16	5.70	304 28 7.72	29.665	1 20.6	[39.0]	6 40			
30	ε Canis Majoris	11 54	34.37	+0.17	5.84	292 14 2.62	28.611	2 14.6	35.8	6 54			
31	δ Canis Majoris	10 4	12.21	+0.16	5.75	294 48 3.38	32.499	1 59.1	37.8	7 4			
32	Venus I, C.	6 31	35.85	+0.12	5.79	340 46 8.08	29.111	19.2	36.6	8 31	41.76	+0.38	+19 44 14.2
33	Venus II	5 31	36.62	+0.12	5.79					8 31	42.53	0.39	
August 8, Fi.													
34	Sun I, N.	9 12	12.24	+0.11	5.82	337 22 2.68	30.428	22.9	36.6	9 12	18.17	+66.06	+16 20 42.3
35	Sun II, S.	11 14	24.36	+0.11	5.82	336 50 2.58	31.145	23.5	36.6	9 14	30.29	-66.06	+15 49 2.8
36	α Leonis	8 2	55.43	+0.10	5.94	333 30 6.22	27.885	27.4	36.9	10 3			
37	δ Leonis	6 8	40.26	+0.09	5.86	342 6 5.95	29.634	17.7	37.3	11 8			
38	β Leonis	11 43	50.60	+0.07	5.83	336 10 6.28	28.870	24.2	35.6	11 43			
39	α Virginis.	11 19	48.84	-0.01	5.98	310 24 6.95	29.531	1 4.2	35.5	13 19			
40	α Ursæ Minoris s. p.	10 22	55.72	5.44	[6.75]	52 14 0.80	29.657	+1 10.9	[37.6]	1 22			
41	π Capricorni.	11 21	30.88	+0.09	6.17	302 30 3.38	30.589	1 27.7	37.7	20 21			
42	ε Delphini	11 28	21.17	+0.12	6.10	331 58 4.98	33.162	29.8	38.7	20 28			
43	B. D.—6°, 5574.	10 40	3.71	+0.10	6.16	314 54 5.32	30.404	56.0	38.5	20 40	9.97	-4.40	-6 2 57.5 -18.5
44	η Aquarii	11 47	10.58	+0.10	6.20	311 40 3.80	31.569	1 2.9	38.7	20 47			
45	B. D.—5°, 5429.	7 53	53.74	+0.10	6.16	315 43 58.82	29.835	54.4	38.5	20 54	0.00	-4.38	-5 13 18.6 -19.5
46	β Aquarii	6 26	12.68	+0.10	6.14	315 0 3.85	33.128	55.9	39.0	21 26			

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
5	10 4	29.74	90.2	89.1	I, 12, 35.	Bisections at VI, VII.	9	+	1.7	+	0.1
12	53	29.70	90.4	88.6	2, 11, 34, 46.	Bisections at I, II.	11	+	3.3	-15 47.7	-15 44.4
13	32	29.69	89.0	86.9	3, 25.	Bisections at C ₃ , C ₄ , C ₅ , C ₁ .	12	+	3.4	+15 47.7	+15 51.1
6	6 26	29.77	73.6	72.6	19.	Bisections at C ₃ , C ₄ , C ₅ , C ₁ .	14	+	7.2	-1.7	+5.5
7	7 32	29.77	77.9	74.7	20.	Bisections at II, VI, VII.	32	+	1.7	+	0.1
8	29	29.76	78.6	76.3	23, 43, 45.	Z. D. thread A used.	34	+	3.3	-15 49.7	-15 46.4
9	10 8	29.75	80.2	78.1	40.	Bisections at C ₃ , C ₄ , C ₁ .	35	+	3.4	+15 49.7	+15 53.1
11	11	29.74	81.2	78.9							
12	46	29.73	82.2	79.1							
12	55	29.73	83.0	79.3							
13	34	29.74	82.0	79.2							
20	18	29.77	72.0	70.6							
21	55	29.77	69.0	66.9							
1	10	29.78	65.0	62.9							
1	55	29.785	64.4	62.6							
6	25	29.85	71.5	70.4							
7	9	29.86	76.0	71.9							
8	33	29.86	76.0	73.5							
9	16	29.85	77.5	74.9							
9	56	29.85	78.0	75.6							
11	5	29.84	79.5	77.5							
11	46	29.83	81.0	77.9							
13	11	29.82	80.0	77.0							
13	38	29.82	80.0	76.9							
20	17	29.81	67.0	65.5	23, 43, 45.	Bright wire illumination.					
21	19	29.83	67.0	65.5							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			MEAN THREAD.	Instru- ment. Clock.								
			m s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ξ Aquarii	5	32 20.73	+ 0.09	+ 6.14	312 42 2.92	34.340	- 1 0.6	37.3	21 32 . . .	. . .	. . .
2	ε Pegasi	8	39 11.39	+ 0.11	+ 6.19	330 26 7.60	31.418	- 31.8	39.6	21 39 . . .	. . .	. . .
3	β Andromedæ	11	4 2.25	+ 0.16	[+ 6.09]	356 5 57.78	31.263	- 3.8	[37.3]	1 4 . . .	. . .	. . .
4	α Ursæ Minoris	3	22 54.97	- 0.95	[+ 3.43]	49 46 1.72	30.452	+ 1 6.5	[40.1]	1 22 . . .	. . .	. . .
August 15, B.												
5	δ Geminorum	11	13 56.72	+ 0.16	+ 11.01	343 12 6.75	28.598	- 16.9	35.6	7 14 . . .	. . .	. . .
6	α² Geminorum	11	28 0.75	+ 0.11	+ 10.99	353 8 7.65	29.225	- 6.7	36.5	7 28 . . .	. . .	. . .
7	α Canis Minoris	11	33 51.68	+ 0.23	+ 11.03	326 30 9.10	31.201	- 37.0	35.9	7 34 . . .	. . .	. . .
8	β Geminorum	11	38 59.35	+ 0.13	+ 11.04	349 18 3.82	28.620	- 10.5	35.4	7 39 . . .	. . .	. . .
9	Venus I, C.	6	11 51.04	+ 0.15	+ 11.07	338 18 10.65	31.531	- 22.1	35.6	9 12 2.26	+ 0.36	+ 17 17 23.9
10	Venus II.	5	11 51.76	+ 0.15	+ 11.07				. . .	9 12 2.98	- 0.36	
August 16, B.												
11	Sun I, S.	11	42 19.16	+ 0.16	+ 11.09	334 26 9.25	29.515	- 26.5	35.6	9 42 30.41	+ 65.35	+ 13 24 20.3
12	Sun II, N.	11	44 29.85	+ 0.16	+ 11.09	334 58 4.98	28.858	- 25.9	35.6	9 44 41.10	- 65.34	+ 13 55 58.7
13	δ Leonis	11	8 34.98	+ 0.13	+ 11.09	342 6 7.32	29.520	- 17.8	35.9	11 8 . . .	. . .	. . .
14	β Leonis	11	43 45.11	+ 0.14	+ 11.21	336 10 9.08	28.756	- 24.4	35.3	11 43 . . .	. . .	. . .
15	γ Corvi	11	10 27.33	+ 0.21	+ 11.16	304 4 5.45	28.379	- 1 21.4	34.5	12 10 . . .	. . .	. . .
16	η Virginis	11	14 35.06	+ 0.17	+ 11.18	320 56 12.20	28.165	- 44.8	35.6	12 14 . . .	. . .	. . .
17	α Virginis	11		. . .	. . .	310 24 10.38	29.451	- 1 4.7	35.5	13 19 . . .	. . .	. . .
18	α Ursæ Minoris s. p.	7	22 46.91	+ 4.92	[+ 12.86]	52 14 6.08	29.348	+ 1 11.4	[36.4]	1 23 . . .	. . .	. . .
19	b Ophiuchi	11	20 4.91	+ 0.20	+ 11.25	296 58 4.92	29.735	- 1 48.8	37.1	17 20 . . .	. . .	. . .
20	α Ophiuchi	11	30 6.75	+ 0.15	+ 11.29	333 40 8.65	29.182	- 27.6	37.0	17 30 . . .	. . .	. . .
21	Moon I, N.	11	41 36.85	+ 0.21	+ 11.28	296 52 2.42	31.719	- 1 49.4	36.8	17 41 48.34	+ 73.83	- 24 10 7.2
22	γ² Sagittarii	11	59 12.37	+ 0.21	+ 11.31	290 38 8.18	29.790	- 2 26.8	36.0	17 59 . . .	. . .	. . .
23	μ Sagittarii	11	7 36.38	+ 0.19	+ 11.26	299 58 4.92	29.196	- 1 36.4	38.3	18 7 . . .	. . .	. . .
24	α² Capricorni	11	12 20.16	+ 0.20	+ 11.28	308 10 7.00	32.134	- 1 11.1	36.6	20 12 . . .	. . .	. . .
25	π Capricorni	11	21 25.69	+ 0.22	+ 11.24	302 30 5.28	30.471	- 1 27.6	36.3	20 21 . . .	. . .	. . .
26	B. D. - 6°, 5563.	11	37 21.42	+ 0.20	+ 11.32	314 50 4.15	33.709	- 56.3	36.8	20 37 32.93	- 4.42	- 6 10 15.8
27	B. D. - 6°, 5577.	8	40 13.84	+ 0.20	+ 11.32	315 8 1.85	32.438	- 55.7	36.8	20 40 25.36	- 4.42	- 5 52 53.7
28	1 Pegasi	11	17 17.51	+ 0.16	+ 11.38	340 24 1.28	30.358	- 20.0	36.6	21 17 . . .	. . .	. . .
29	B. D. - 3°, 5241.	8	28 5.04	+ 0.21	+ 11.33	317 54 5.20	31.159	- 50.7	36.8	21 28 16.58	- 4.38	- 3 7 21.8
30	ξ Aquarii	11	32 15.43	+ 0.22	+ 11.37	312 42 1.02	34.415	- 1 0.8	36.8	21 32 . . .	. . .	. . .
31	B. D. - 1°, 4212.	11	46 44.97	+ 0.21	+ 11.33	319 18 3.90	27.530	- 48.4	36.8	21 46 56.51	- 4.35	- 1 45 4.2
32	ε Piscium	11	57 34.25	+ 0.18	[+ 11.49]	328 22 3.92	31.824	- 34.9	[37.6]	0 57 . . .	. . .	. . .
33	α Ursæ Minoris	8	23 3.39	- 9.38	[+ 11.15]	49 46 6.32	30.238	+ 1 7.3	[37.9]	1 23 . . .	. . .	. . .
August 17, U.												
34	γ² Sagittarii	11	59 12.21	+ 0.14	+ 11.53	290 38 6.75	29.823	- 2 25.8	36.4	17 59 . . .	. . .	. . .
35	η Serpentis	11	15 57.31	+ 0.13	+ 11.51	318 6 9.18	30.985	- 49.7	38.0	18 16 . . .	. . .	. . .
36	1 Aquilæ	11	29 35.12	+ 0.13	+ 11.57	312 42 4.62	32.778	- 1 0.0	36.8	18 29 . . .	. . .	. . .
37	B. D. I, S.	11	46 22.65	+ 0.14	+ 11.55	298 4 2.82	29.290	- 1 43.6	37.0	18 46 34.34	+ 74.01	- 22 59 10.5
38	d Sagittarii	11	11 36.44	+ 0.14	+ 11.58	301 54 5.05	31.570	- 1 28.8	37.0	19 11 . . .	. . .	. . .
August 18, B.												
39	α² Geminorum	11	27 59.63	- 0.01	+ 12.30	353 7 59.72	29.434	- 6.5	34.9	7 28 . . .	. . .	. . .
40	α Canis Minoris	11	33 50.70	- 0.08	+ 12.38	326 30 4.62	31.305	- 36.1	35.2	7 34 . . .	. . .	. . .
41	β Geminorum	6	38 58.25	- 0.02	+ 12.36	349 18 2.92	28.640	- 10.3	35.6	7 39 . . .	. . .	. . .
42	Venus I, C.	5	26 40.61	- 0.11	+ 12.45	337 16 7.10	28.762	- 22.8	35.0	9 26 52.98	+ 0.38	+ 16 14 1.4
43	Venus II.	6	26 41.40	- 0.11	+ 12.45				. . .	9 26 53.74	- 0.38	
August 19, B.												
44	Sun I, N.	11	53 28.65	- 0.14	+ 12.47	334 0 5.65	28.870	- 26.4	35.0	9 53 40.98	+ 65.15	+ 12 57 59.0
45	Sun II, S.	11	55 38.95	- 0.14	+ 12.47	333 28 3.12	29.725	- 27.1	35.0	9 55 51.28	- 65.15	+ 12 26 21.0

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
8 21 46	29.83	67.0	66.0	1, 11, 40, 44.	Bisections at I, II.	9	+ 1.9	. . .	0.0	+ 1.9
21 46	29.83	66.5	64.9	3, 34, 38.	Bisections at II, VI, VII.	11	+ 3.7	+ 15 49.2	. . .	+ 15 52.9
1 37	29.83	66.5	65.5	4.	Bisections at C ₁ , C ₃ , C ₅ .	12	+ 3.7	- 15 49.2	. . .	- 15 45.5
7 16	29.94	69.8	68.5	12, 27, 41, 45.	Bisections at VI, VII.	21	+ 52 44.3	- 16 11.6	. . .	+ 36 32.7
9 40	29.95	72.0	69.1	18.	Bisections at C ₃ , C ₂ , C ₁ .	37	+ 52 57.0	+ 16 26.0	. . .	+ 69 23.0
9 44	29.93	75.0	72.9	21, 37.	Bisections at II, III, IV, V, VI.	42	+ 2.0	. . .	0.0	+ 2.0
11 10	29.91	75.3	73.9	33.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	44	+ 3.8	- 15 49.0	. . .	- 15 45.2
12 17	29.90	76.8	74.9			45	+ 3.9	+ 15 48.9	. . .	+ 15 52.8
13 6	29.90	77.6	74.7							
17 13	29.88	71.8	69.9							
18 12	29.88	70.8	68.3							
19 55	29.87	68.0	66.9							
20 25	29.86	67.8	66.3							
21 53	29.84	65.3	63.7							
0 53	29.82	61.2	59.3							
1 28	29.82	60.2	58.7							
17 18	29.82	71.5	70.8							
19 43	29.82	70.8	70.2							
7 43	29.74	77.4	76.9							
8 18	29.74	78.0	77.1							
9 29	29.74	81.8	79.9							
19 9 55	29.73	82.2	80.9	26, 27.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI. CROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
1	δ Leonis	11	8 33.76	- 0.10	+12.54	342 6 8.62	29.404	- 17.4	34.5	11 8			
2	β Leonis	9	43 43.93	- 0.14	+12.66	336 10 9.52	28.688	- 23.8	34.5	11 43			
3	β Corvi	11	28 54.83	- 0.38	+12.48	298 12 7.85	30.139	- 1 40.1	35.5	12 29			
4	α Virginis	11	19 42.33	0.31	+12.67	310 24 9.05	29.355	- 1 3.2	[32.7]	13 19			
5	α Ursæ Minoris S. P.	9	23 8.76	14.12	[+12.56]	52 14 6.70	29.368	+ 1 9.7	[36.7]	1 23			
6	α^2 Capricorni	11	12 19.27	0.24	+12.61	308 10 4.70	32.104	- 1 9.6	34.8	20 12			
7	π Capricorni	11	21 24.76	- 0.26	+12.65	302 30 4.42	30.368	- 1 25.8	34.3	20 21			
8	Moon I, S.	11	53 15.64	- 0.25	+12.67	306 16 3.52	24.103	- 1 14.8	35.4	20 53 28.06	+71.85	- 14 49 7.2	
9	ϵ Aquarii	11	32 14.59	- 0.21	+12.66	312 42 3.75	34.230	- 59.4	35.4	21 32			
10	ϵ Pegasi	11	39 5.15	0.13	+12.75	330 26 8.18	31.360	- 31.1	37.2	21 39			
11	ϵ Piscium	11	57 33.29	- 0.12	[+12.52]	328 22 8.72	31.601	- 33.8	[36.7]	0 57			
12	α Ursæ Minoris	8	22 45.78	+ 9.16	[+12.64]	49 45 59.75	30.604	+ 1 5.1	[38.5]	1 23			
August 20, Br.													
13	ϵ Aquarii	11	32 14.35	- 0.38	+13.07	312 43 59.85	30.112	- 59.1	34.5	21 32			
14	ϵ Pegasi	11	39 4.90	- 0.23	+13.10	330 26 2.62	31.545	- 31.0	36.9	21 39			
15	Moon I, N.	11	53 34.24	- 0.39	+13.09	312 34 0.18	30.522	- 59.4	35.5	21 53 46.94	+70.31	- 8 27 46.3	
16	Moon II	11	55 54.85	- 0.39	+13.09	312 18				21 56 7.55	-70.31		
17	α Aquarii	11	0 27.40	- 0.31	+13.09	320 12 4.20	33.394	- 45.5	36.4	22 0			
18	η Aquarii	11	11 22.01	- 0.38	+13.09	312 44 0.68	32.808	- 59.1	34.2	22 11			
August 21, U.													
19	α Ursæ Minoris S. P.	10	23 24.63	+31.18	[+15.23]	52 14 4.72	29.410	+ 1 8.5	[35.7]	1 23			
20	δ^1 Cygni	11	2 12.54	+ 0.10	+13.67	359 16 16.10	31.001	- 0.6	37.3	21 2			
21	ϵ Pegasi	7	17 15.41	- 0.15	+13.80	340 24 5.02	30.242	- 19.4	36.6	21 17			
22	β Aquarii	11	26 5.65	- 0.42	+13.78	315 0 1.75	33.168	- 54.6	38.3	21 26			
23	Moon II, N.	11	54 10.14	0.37	+13.81	318 52 4.25	30.540	- 47.8	37.6	22 54 23.58	- 69.41	2 9 38.3	
24	α Ursæ Minoris	11	22 34.91	+21.43	[+12.70]	49 46 1.61	30.526	+ 1 5.2	[37.9]	1 23			
25	α Piscium	11	39 53.70	- 0.19	+13.91	329 40 6.58	31.995	- 32.2	38.1	1 40			
August 21, Br.													
26	α Canis Minoris	11	33 49.18	- 0.20	+14.08	326 30 5.60	31.272	- 35.9	35.4	7 34			
27	β Geminorum	11	38 56.65	0.05	+14.06	349 18 4.60	28.569	- 10.2	35.5	7 39			
August 22, Br.													
28	Sun I, S.	11	4 33.00	0.19	+14.16	332 28 9.82	29.988	- 28.1	34.6	10 4 46.97	+64.93	11 26 33.7	
29	Sun II, N.	11	6 42.86	- 0.19	+14.16	333 0 6.90	29.388	- 27.5	34.6	10 6 56.83	-64.93	+ 11 58 15.2	
30	δ Leonis	8	8 32.19	- 0.13	+14.15	342 6 7.48	29.448	- 17.8	34.5	11 8			
31	β Leonis	11	43 42.42	- 0.19	+14.21	336 10 8.22	28.708	- 23.8	33.9	11 43			
32	α Canum Venat.	11	51 5.59	0.05	+14.27	359 54 2.30	27.489	- 0.1	33.4	12 51			
33	α Ursæ Minoris S. P.	11	23 22.64	-22.06	[+ 8.84]	52 14 3.45	29.395	+ 1 9.5	[34.8]	1 23			
34	η Bootis	11	49 40.58	0.17	+14.33	339 56 7.18	28.901	- 19.6	35.1	13 49			
35	β Piscium	11	22 40.43	0.12	+14.60	326 52 6.60	28.988	- 36.2	35.6	23 22			
36	ϵ Piscium	11	34 35.04	0.13	+14.65	326 6 4.10	31.882	- 37.2	38.0	23 34			
37	Moon II, N.	11	51 5.32	- 0.13	+14.64	325 12 4.52	28.250	- 38.5	36.9	23 51 19.83	- 68.85	+ 4 9 26.7	
38	α Andromedæ	11	2 59.55	0.04	+14.65	349 34 4.65	29.088	- 10.2	36.4	0 3			
39	γ Pegasi	11	7 51.68	- 0.06	+14.63	335 38 7.00	32.524	- 25.1	37.5	0 8			
40	α Ursæ Minoris	11	22 40.27	+15.71	[+13.83]	49 46 4.40	30.449	+ 1 5.9	[38.7]	1 23			
41	β Arietis	11	48 52.89	- 0.01	[+14.68]	341 20				1 49			
August 22, B.													
42	δ Geminorum	11	13 53.04	- 0.03	+15.05	343 12 7.90	28.571	- 16.6	36.5	7 14			
43	α^2 Geminorum	11	27 56.98	0.02	+15.03	353 8 2.35	29.346	- 6.6	35.4	7 28			
44	α Canis Minoris	11	33 48.11	- 0.10	+15.07	326 30 7.08	31.215	- 36.3	34.8	7 34			
45	β Geminorum	11	38 55.65	0.00	+15.04	349 18 5.05	28.568	- 10.4	35.8	7 39			

Time.			Barom.	Att. Ther.	Rx. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°					/'	''	''	/'
19	11	5	29.72	83.8	82.6	5.	Bisections at C ₃ , C ₂ , C ₁ .		8	+49 15.6	+16 44.2		+65 59.8
	11	45	29.71	84.8	83.1	8, 23, 37.	Bisections at II, III, IV, V, VI.		15	+44 58.7	-16 45.4		+28 13.3
	12	31	29.71	85.0	82.9	12, 33, 40.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .		23	+39 56.7	-16 40.7		+23 16.0
	13	30	29.70	85.6	83.6	15.	Bisections at I, II, III.		28	+ 4.0	+15 50.7		+15 54.7
	20	6	29.72	76.0	74.7	19.	Bisections at D ₁ , C ₁ , C ₂ , C ₄ , B ₃ .		29	+ 3.9	-15 50.7		15 46.8
	20	48	29.71	75.0	73.9	21, 29, 30, 35.	Bisections at VI, VII.		37	+34 17.0	-16 30.8		+17 46.2
	21	0	29.71	74.6	73.7	24.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .						
	0	53	29.67	73.0	72.1	26, 36, 38.	Bisections at II, VI, VII.						
	1	28	29.66	73.2	73.4	28, 45.	Bisections at I, II.						
	20	21	29.68	77.5	75.9								
	22	11	29.675	76.5	75.2								
21	13	36	29.63	92.5	91.3								
	21	39	29.68	77.6	75.4								
	23	0	29.675	76.5	74.1								
	1	36	29.69	74.0	71.9								
	7	22	29.785	81.5	80.6								
	7	45	29.79	83.5	81.9								
22	10	6	29.80	86.2	84.1								
	11	14	29.79	88.3	85.8								
	11	47	29.79	88.9	86.0								
	12	46	29.785	89.0	85.9								
	13	48	29.775	89.0	86.1								
	23	16	29.81	72.0	70.7								
	23	37	29.81	72.2	70.9								
	0	15	29.81	71.8	70.0								
	1	51	29.79	70.8	68.6								
	7	8	29.84	75.8	74.0								
	7	40	29.83	76.8	75.9								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
1	Venus I, C.	6	m s 46 10.85	s - 0.12	+15.17	335 43 54.10	31.846	- 24.6	35.5	9 46 25.90	+ 0.40	+ 14 43 13.9	. .
2	Venus II.	5	46 11.66	- 0.12	+15.17					9 46 26.71	- 0.41		. .
August 23, B.													
3	Sun I, S.	11	8 13.04	- 0.14	+15.19	332 8 7.82	29.420	- 29.0	35.5	10 8 28.09	+64.76	+ 11 6 13.7	. .
4	Sun II.	7	10 22.56	- 0.14	+15.19	332 24 . . .				10 10 37.61	-64.76		. .
5	α Canum Venat.	11	51 4.56	+ 0.05	+15.29	359 52 2.90	31.755	- 0.1	35.7	12 51 . . .			. .
6	α Virginis	3	19 39.52	- 0.30	+15.43	310 24 8.50	29.510	I 4.0	35.5	13 19 . . .			. .
7	α Ursæ Minoris s. p.	8	23 11.74	-15.98	[+14.44]	52 14 7.98	29.359	+ I 10.6	[39.6]	1 23 . . .			. .
8	η Bootis	11	49 39.43	- 0.11	+15.41	339 56 4.48	29.050	- 20.0	36.3	13 49 . . .			. .
9	α Bootis	11	10 50.18	- 0.10	+15.38	340 44 5.88	29.444	- 19.1	34.3	14 11 . . .			. .
10	12 Ceti	11	24 41.61	- 0.10	+15.66	316 30 3.55	33.222	- 52.9	37.2	0 24 . . .			. .
11	β Ceti	11	38 19.71	- 0.14	+15.68	302 30 6.78	31.218	- I 27.4	38.3	0 38 . . .			. .
12	Moon II, N.	11	47 27.56	- 0.07	+15.70	331 4 6.62	31.033	- 30.8	37.6	0 47 43.19	-68.79	+ 10 2 55.1	. .
13	ϵ Piscium	11	57 30.41	- 0.07	+15.74	328 22 6.20	31.769	- 34.4	37.8	0 57 . . .			. .
14	β Andromedæ	11	3 53.21	0.00	+15.71	356 6 2.40	31.214	- 3.8	36.9	1 4 . . .			. .
15	α Ursæ Minoris	7	22 46.23	+ 5.02	[+19.34]	49 46 2.72	30.536	+ I 6.3	[39.7]	1 23 . . .			. .
August 24, U.													
16	α Ursæ Minoris s. p.	11	23 11.30	-13.32	[+13.03]	52 13 56.99	29.646	- I 10.1	[36.5]	1 23 . . .			. .
17	α Bootis	10	10 49.53	+ 0.02	[+15.90]	340 44 5.88	29.469	- 18.9	[35.3]	14 11 . . .			. .
18	β Aquilæ	11	50 9.16	- 0.14	+16.18	327 10 5.58	32.590	- 35.8	37.5	19 50 . . .			. .
19	τ Aquilæ	11	59 0.49	- 0.13	+16.09	328 0 7.10	33.178	- 34.6	37.0	19 59 . . .			. .
20	μ Aquarii	11	47 0.89	- 0.24	+16.26	311 40 7.08	31.421	- I 2.3	37.6	20 47 . . .			. .
21	B. D. -3°, 5234	11	26 48.94	- 0.21	+16.19	317 50 2.55	30.945	- 50.3	37.2	21 27 4.92	- 4.41	- 3 11 30.5	23.0
22	B. D. -1°, 4212	11	46 40.64	- 0.19	+16.19	319 18 5.92	27.372	- 47.8	37.2	21 46 56.64	- 4.40	- 1 45 6.5	24.1
23	α Aquarii	11	0 24.16	- 0.18	+16.23	320 14 3.75	29.256	- 46.2	36.9	22 0 . . .			. .
24	α Ursæ Minoris	10	22 45.96	+11.27	[+14.20]	49 46 4.25	30.446	+ I 6.0	[38.2]	1 23 . . .			. .
25	Moon II.	11	43 55.83	- 0.04	+16.20	335 54 . . .				1 44 11.99	-69.05		. .
26	α Arietis	11	1 16.64	+ 0.01	+16.12	344 0 10.82	31.275	- 15.9	35.5	2 1 . . .			. .
27	ξ Ceti	11	7 26.37	- 0.06	+16.25	329 24 3.72	30.794	- 32.9	36.7	2 7 . . .			. .
August 24, Br.													
28	α Canis Minoris	9	33 46.86	- 0.07	+16.34	326 30 6.62	31.168	- 36.3	33.0	7 34 . . .			. .
29	Venus I, C.	6	55 50.34	- 0.04	+16.40	334 58 9.25	27.366	- 25.3	32.5	9 56 6.70	+ 0.25	+ 13 55 23.8	. .
30	Venus II.	5	55 50.84	- 0.04	+16.40					9 56 7.20	- 0.25		. .
August 25, Br.													
31	Sun I, S.	11	15 32.53	- 0.07	+16.41	331 28 4.35	27.095	- 29.5	32.5	10 15 48.87	+64.82	+ 10 25 6.5	. .
32	Sun II, N.	11	17 42.17	- 0.07	+16.41	331 59 56.02	26.728	- 28.9	32.5	10 17 58.51	-64.82	+ 10 56 49.2	. .
33	β Leonis	8	43 40.07	- 0.08	+16.44	336 10 5.15	28.738	- 23.9	31.7	11 43 . . .			. .
34	α Canum Venat.	8	51 3.38	+ 0.10	+16.40	359 52 7.35	31.443	- 0.1	31.6	12 51 . . .			. .
35	α Ursæ Minoris s. p.	11	23 18.20	-19.46	[+12.12]	52 14 4.00	29.278	+ I 9.8	[33.0]	1 23 . . .			. .
36	η Bootis	11	49 38.21	- 0.09	+16.58	339 56 4.28	28.939	- 19.7	33.3	13 49 . . .			. .
37	α Bootis	11	10 48.91	- 0.08	+16.60	340 44 4.60	29.421	- 18.8	32.8	14 11 . . .			. .
38	Moon II, N.	11	40 49.22	- 0.08	+16.91	340 14 6.82	27.581	- 19.9	34.2	2 41 6.05	-69.38	+ 19 11 31.2	. .
39	α Ceti	11	56 46.71	- 0.18	+16.94	324 44 7.02	29.118	- 39.2	33.0	2 57 . . .			. .
40	ζ Arietis	11	8 52.67	- 0.07	+16.87	341 42 5.95	29.518	- 18.3	35.0	3 9 . . .			. .
41	η Tauri	11	41 15.57	- 0.04	+16.96	344 48 3.58	32.218	- 15.0	34.5	3 41 . . .			. .
August 30, B.													
42	α Capricorni	11	12 11.35	- 0.19	+20.42	308 10 0.10	32.272	- I 11.1	33.4	20 12 . . .			. .
43	π Capricorni	11	21 16.88	- 0.21	+20.45	302 30 2.75	30.464	- I 27.6	33.7	20 21 . . .			. .
44	B. D. -6°, 5563	11	37 12.60	- 0.16	+20.44	314 50 5.95	33.590	- 56.2	33.3	20 37 32.88	- 4.40	- 6 10 13.7	-19.8
45	B. D. -5°, 5424					315 42 6.10	32.800	- 54.6	33.3	20 52 . . .		- 5 18 34.5	-21.1

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°	°				" "	" "	" "	" "
22 9 49	29.84	79.8	77.7	3, 31, 44, 45.	Bisections at I, II.	1	+	2.1	. . .	0.0	+ 2.1
23 10 10	29.84	80.2	77.0	7.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .	3	+	4.1	+15 51.2	. . .	+15 55.3
12 27	29.83	80.8	78.1	12, 38.	Bisections at II, III, IV, V, VI.	12	+28	35.7	-16 17.1	. . .	+12 18.6
13 34	29.83	81.2	78.9	15, 16, 35.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	29	+	2.2	. . .	0.0	+ 2.2
14 7	29.82	80.6	77.9	18.	Bisection at VI.	31	+	4.1	+15 51.4	. . .	+15 55.5
0 17	29.82	69.2	67.3	24.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	32	+	4.1	-15 51.3	. . .	-15 47.2
1 23	29.82	68.0	66.3	28, 32, 33.	Bisections at VI, VII.	35	+19	16.3	-15 45.0	. . .	+ 3 31.3
13 36	29.80	85.0	81.9	34, 40, 41.	Bisections at II, VI, VII.						
19 54	29.83	73.6	70.0								
22 0	29.825	71.2	69.6								
1 36	29.80	69.5	68.0								
6 56	29.88	75.8	75.5								
9 59	29.885	84.1	82.9								
10 17	29.89	84.4	83.0								
11 47	29.88	87.0	84.9								
12 55	29.87	87.9	85.4								
13 52	29.855	87.5	85.4								
14 13	29.85	87.0	85.2								
2 35	29.86	72.5	71.2	16, 17.	Change of temperature, etc., derived from the Met. Journal.						
3 49	29.88	72.5	71.8	21, 22, 45.	Bright wire illumination.						
20 6	30.04	71.2	69.7								
21 6	30.04	70.2	69.1								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	B. D. -5°, 5429 .					315 42 6.10	33.705	- 54.4	33.3	20 54 . .		- 5 13 14.7	-21.2
2	B. D. -1°, 4212 .	11	46 36.47	- 0.15	+20.44	319 18 9.02	27.235	- 48.2	33.3	21 46 56.76	- 4.42	- 1 45 3.8	-24.8
3	α Aquarii	11	0 19.97	- 0.14	+20.40	320 14 6.25	29.119	- 46.7	34.5	22 0 . .			
4	β Aquarii	11	11 14.47	- 0.17	+20.49	312 44 36.2	32.680	- 1 0.6	31.5	22 11 . .			
August 31, U.													
5	γ Aquilæ	11	41 10.93	- 0.13	+20.57	331 24 5.32	29.660	- 30.2	32.8	19 41 . .			
6	β Aquilæ	11	50 4.69	- 0.15	+20.60	327 10 1.98	32.591	- 35.8	33.2	19 50 . .			
7	τ Aquilæ	11	58 55.91	- 0.15	+20.64	328 0 3.12	33.192	- 34.7	32.5	19 59 . .			
8	ε Delphini	8	28 6.69	- 0.12	+20.77	331 58 5.05	33.083	- 29.6	33.2	20 28 . .			
9	B. D. -6°, 5577 .					315 7 59.18	32.386	- 55.3	33.1	20 40 . .		- 5 52 53.7	-19.3
10	B. D. -5°, 5451 .	11	59 4.92	- 0.21	+20.64	316 7 59.65	31.895	- 53.5	33.1	20 59 25.35	- 4.42	- 4 53 5.4	-21.7
11	B. D. -3°, 5241 .	7	27 56.26	- 0.20	+20.64	317 54 4.30	31.007	- 50.4	33.1	21 28 16.70	- 4.43	- 3 7 23.0	-23.7
12	ε Pegasi	11	38 57.29	- 0.13	+20.64	330 26 0.70	31.583	- 31.7	33.8	21 39 . .			
13	B. D. -1°, 4212 .	4	46 36.20	- 0.19	+20.64	319 17 56.48	27.640	- 48.1	33.1	21 46 56.65	- 4.43	- 1 45 4.5	-24.8
August 31, Br.													
14	δ Geminorum	11	13 47.63	- 0.01	+20.67	343 12 6.05	28.497	- 16.7	32.8	7 14 . .			
15	α Geminorum	11	27 51.56	+ 0.02	+20.69	353 8 3.92	29.142	- 6.6	31.9	7 28 . .			
16	α Canis Minoris . .	11	33 42.65	- 0.06	+20.69	326 30 7.42	31.204	- 36.5	34.4	7 34 . .			
17	β Geminorum	11	38 50.25	+ 0.01	+20.65	349 18 4.68	28.455	- 10.4	33.0	7 39 . .			
18	Moon II.	11	8 22.13	- 0.04	+20.70	338 4 . .				8 8 42.79	-63.98		
19	Mercury C, C. . . .	11	35 4.37	- 0.08	+20.76	334 26 0.78	28.782	- 26.2	32.1	9 35 25.05	- 0.15	+ 13 23 55.0	
September 1, Br.													
20	Sun I, N.	11	41 0.22	- 0.14	+20.80	329 30 7.30	28.248	- 32.2	31.6	10 41 20.88	+64.32	+ 8 27 40.5	
21	Sun II, S.	11	43 8.85	- 0.14	+20.80	328 58 5.60	28.785	- 32.8	31.6	10 43 29.51	-64.31	+ 7 55 54.5	
22	β Leonis	10	43 35.78	- 0.12	+20.77	336 10 2.60	28.785	- 24.0	31.0	11 43 . .			
23	α Virginis	11	19 34.04	- 0.35	+20.88	310 24 3.82	29.490	- 1 3.5	30.3	13 19 . .			
24	η Bootis	11	49 33.82	- 0.14	+20.94	339 56 1.12	28.931	- 19.8	30.3	13 49 . .			
25	α Bootis	11	10 44.48	- 0.14	+21.00	340 44 2.82	29.375	- 18.9	30.0	14 11 . .			
September 3, U.													
26	α Canis Minoris . .	11	33 41.02	- 0.26	+22.59	326 29 58.90	31.470	- 36.8	33.2	7 34 . .			
27	β Geminorum	11	38 48.47	- 0.08	+22.60	349 17 57.60	28.774	- 10.5	35.2	7 39 . .			
28	Mercury II, C. . . .	11	44 16.55	- 0.21	+22.68	334 32 0.95	29.352	- 26.3	33.2	9 44 39.02	- 0.25	+ 13 30 10.3	
29	α Leonis	11	2 39.20	- 0.22	+22.69	333 27 59.50	32.145	- 27.6	32.5	10 3 . .			
September 4, U.													
30	Sun I, N.	11	51 50.40	- 0.25	+22.74	328 22 1.20	32.640	- 33.9	32.8	10 52 12.89	+64.21	+ 7 21 36.7	
31	Sun II, S.	11	53 58.83	- 0.25	+22.74	327 50 1.25	33.112	- 34.6	32.8	10 54 21.32	-64.22	+ 6 49 50.4	
32	α Ursæ Minoris S. P.	11	23 14.08	-18.39	[+23.65]	52 13 58.78	29.274	+ 1 10.8	[31.7]	1 23 . .			
33	η Bootis	11	49 31.86	- 0.16	+22.88	339 55 59.75	29.060	- 20.0	32.7	13 49 . .			
34	α Bootis	11	10 42.62	- 0.16	+22.83	340 44 4.18	29.359	- 19.1	30.9	14 11 . .			
35	α Aquilæ	11	45 32.50	- 0.11	+22.87	329 38 2.20	30.119	- 32.7	35.6	19 45 . .			
36	β Aquilæ	11	50 2.35	- 0.13	+22.88	327 10 1.85	32.662	- 36.0	34.6	19 50 . .			
37	τ Aquilæ	11	58 53.63	- 0.12	+22.86	327 59 58.92	33.422	- 34.9	34.4	19 59 . .			
38	B. D. -6°, 5577 .					315 7 57.32	32.470	- 55.7	34.7	20 40 . .		- 5 52 55.2	-20.2
39	B. D. -5°, 5426 .	10	52 44.08	- 0.18	+22.92	315 45 58.35	32.528	- 54.5	34.7	20 53 6.82	- 4.39	- 5 14 51.3	-21.2
40	B. D. -5°, 5451 .	10	59 2.71	- 0.18	+22.93	316 7 55.28	32.144	- 53.8	34.7	20 59 25.46	- 4.40	- 4 53 4.6	-21.7
41	ζ Cygni	11	8 19.30	+ 0.04	+22.87	350 49 55.20	31.145	- 9.0	35.1	21 8 . .			
42	1 Pegasi	11	17 6.07	- 0.04	+23.01	340 23 54.70	30.596	- 20.0	33.2	21 17 . .			
43	B. D. -1°, 4212 .	11	46 33.90	- 0.15	+22.97	319 17 58.15	27.671	- 48.4	34.7	21 46 56.72	- 4.43	- 1 45 3.8	-25.0
44	α Aquarii	11	0 17.40	- 0.14	+22.98	320 13 56.90	29.501	- 46.9	35.5	22 0 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
30 22 8	30.03	69.8	68.5	I.	Z. D. thread A used.	19	+ 4.6		+ 0.6	+ 5.2
31 19 48	29.90	72.5	71.5	I, 10, 13, 15, 19, 21, 31, 36, 38.	Bisections at VI, VII.	20	+ 4.4	-15 52.9		-15 48.5
21 42	29.98	71.0	69.4	5, 14.	Bisections at I, VI, VII.	21	+ 4.5	+15 53.0		+15 57.5
7 9	29.97	74.5	73.9	8.	Bisection at VII.	28	+ 4.1		+ 0.6	+ 4.7
7 44	29.98	76.5	75.7	11.	Bisections at I, II, VII.	30	+ 4.6	-15 53.2		-15 48.6
9 40	29.985	82.1	80.6	12, 22.	Bisections at II, VI, VII.	31	+ 4.6	+15 53.1		+15 57.7
10 45	29.99	83.8	81.9	20, 30.	Bisections at I, II.					
11 46	29.96	85.5	83.1	32.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .					
13 23	29.92	86.9	84.7							
14 13	29.91	86.5	84.7							
3 7 24	29.80	70.9	68.9							
8 6	29.82	73.0	69.4							
9 49	29.84	75.3	72.5							
4 10 53	29.83	76.4	74.3							
13 18	29.82	79.2	76.9							
19 54	29.89	70.8	68.1							
20 48	29.90	68.7	66.6							
21 54	29.90	67.0	64.2	I, 9, 10, 11, 13, 38, 39, 40, 43.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
1	α Ursæ Minoris . . .	11	m s 22 47.64	s +13.19	[+18.81]	49 45 57.71	30.640	+ 1 7.1	[35.0]	h m s 1 23 .	s	° / ' ' 6 27 36.3	''
2	α Piscium	11	39 44.72	- 0.06	[+23.09]	329 40 0.85	32.198	- 33.1	[35.5]	1 40 .	.	.	.
	September 4, L.												
3	α Hydræ	11	22 16.29	0.00	+23.04	312 48 5.80	31.425	- 59.7	36.3	9 22 .	.	.	.
4	α Leonis	11	2 38.51	+ 0.05	+23.12	333 28 5.32	32.011	- 27.6	34.5	10 3 .	.	.	.
	September 5, L.												
5	Sun I, S.	11	55 26.58	+ 0.04	+23.14	327 29 44.48	29.120	- 35.0	35.0	10 55 49.76	+64.26	+ 6 27 36.3	.
6	Sun II, N.	11	57 35.11	+ 0.04	+23.14	328 1 39.12	26.823	- 34.4	35.0	10 57 58.29	-64.27	+ 6 59 24.2	.
7	α Virginis	10	19 31.52	- 0.23	+23.25	310 24 6.58	29.550	- 1 4.0	34.0	13 19 .	.	.	.
8	α Ursæ Minoris s. p.	8	23 10.95	-17.83	[+26.82]	52 14 3.45	29.133	+ 1 10.6	[32.4]	1 23 .	.	.	.
9	η Bootis	11	49 31.30	- 0.04	+23.31	339 56 4.12	28.975	- 19.9	34.8	13 49 .	.	.	.
10	α Bootis	11	10 42.02	- 0.03	+23.29	340 43 56.32	29.730	- 19.0	33.7	14 11 .	.	.	.
11	ϵ Piscium	11	57 23.05	- 0.15	+23.44	328 21 54.42	32.150	- 34.1	[35.5]	0 57 .	.	.	.
12	α Ursæ Minoris . . .	8	22 41.58	+15.36	[+23.30]	49 45 56.05	30.769	+ 1 5.8	[35.4]	1 23 .	.	.	.
13	α Arietis	11	1 9.59	- 0.05	+23.55	343 59 56.25	31.814	- 15.9	[34.3]	2 1 .	.	.	.
	September 5, B.												
14	α Hydræ	11	22 15.65	- 0.30	+24.00	312 48 0.30	31.490	- 58.1	34.2	9 22 .	.	.	.
15	ϵ Leonis	11	39 45.51	- 0.04	+23.91	345 16 1.48	28.912	- 14.1	34.4	9 40 .	.	.	.
16	Mercury C, C.	11	52 46.71	- 0.15	+23.96	334 18 0.78	30.658	- 25.8	34.6	9 53 10.52	- 0.09	+ 13 16 46.5	.
17	α Leonis	11	2 37.92	- 0.16	+23.93	333 28 0.18	32.080	- 26.8	[32.2]	10 3 .	.	.	.
18	γ Leonis	11	14 2.51	- 0.09	+23.98	341 21 59.55	30.810	- 18.1	35.3	10 14 .	.	.	.
	September 6, B.												
19	Sun I, S.	11	59 2.44	- 0.24	+24.01	327 6 2.08	31.860	- 34.6	34.0	10 59 26.21	+64.19	+ 6 5 13.4	.
20	Sun II, N.	11	1 10.83	- 0.24	+24.01	327 38 0.12	31.500	- 33.9	34.0	11 1 34.60	-64.20	+ 6 37 2.8	.
21	β Leonis	11	43 32.57	- 0.17	+24.04	336 10 0.75	28.866	- 23.6	32.2	11 43 .	.	.	.
22	α Ursæ Minoris s. p.	8	23 26.28	-29.07	[+23.35]	52 13 57.88	29.433	+ 1 9.1	[34.2]	1 23 .	.	.	.
23	η Bootis	11	49 30.56	- 0.15	+24.15	339 56 2.28	28.981	- 19.5	33.5	13 49 .	.	.	.
24	α Bootis	11	10 41.26	- 0.14	+24.15	340 44 1.75	29.506	- 18.6	33.3	14 11 .	.	.	.
25	ϵ Piscium	11	57 22.11	- 0.17	+24.41	328 21 58.30	32.032	- 34.5	[35.5]	0 57 .	.	.	.
26	β Andromedæ	11	3 44.75	+ 0.11	+24.39	356 5 55.82	31.456	- 3.8	[33.9]	1 4 .	.	.	.
27	α Ursæ Minoris . . .	8	22 32.36	+23.70	[+24.82]	49 46 3.45	30.487	+ 1 6.5	[35.3]	1 23 .	.	.	.
	September 6, U.												
28	α^2 Geminorum	11	27 47.95	+ 0.08	+24.41	353 8 .	.	.	.	7 28 .	.	.	.
29	α Canis Minoris . . .	11	33 39.12	- 0.09	+24.39	326 30 .	.	.	.	7 34 .	.	.	.
30	β Geminorum	10	38 46.61	+ 0.05	+24.41	349 18 .	.	.	.	7 39 .	.	.	.
31	Mercury C.	11	57 38.85	- 0.04	+24.50	334 6 .	.	.	.	9 58 3.31	- 0.08	.	.
	September 7, U.												
32	Sun I	11	2 38.25	- 0.08	+24.55	327 0 .	.	.	.	11 3 2.72	+64.17	.	.
	September 7, L.												
33	α^2 Geminorum	6	27 47.52	+ 0.10	+24.85	353 7 57.82	29.388	- 6.6	33.4	7 28 .	.	.	.
34	α Canis Minoris . . .	8	33 38.57	- 0.10	+24.98	326 29 56.90	31.602	- 36.4	35.4	7 34 .	.	.	.
35	β Geminorum	11	38 46.15	+ 0.06	+24.89	349 17 54.70	28.826	- 10.4	34.3	7 39 .	.	.	.
36	Mercury C, C.	11	2 53.14	- 0.08	+24.99	333 51 58.52	27.565	- 26.6	33.7	10 3 18.05	- 0.07	+ 12 49 16.2	.
	September 8, L.												
37	Sun I, N.	11	6 13.95	- 0.16	+25.03	326 54 3.45	29.240	- 35.1	33.7	11 6 38.82	+64.15	+ 5 52 0.0	.
38	Sun II, S.	11	8 22.25	- 0.16	+25.03	326 21 57.08	29.822	- 35.8	33.7	11 8 47.12	-64.15	+ 5 20 10.4	.
39	α Bootis	11	10 40.21	- 0.10	+25.13	340 43 56.50	29.664	- 18.8	32.5	14 11 .	.	.	.
40	ϵ Bootis	11	40 11.32	0.00	+25.16	348 31 59.00	28.444	- 10.8	32.9	14 40 .	.	.	.
	September 9, B.												
41	γ Aquilæ	11	41 5.07	- 0.14	+26.33	331 23 58.18	29.972	- 30.5	33.4	19 41 .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
4 1 30	29.90	63.5	61.6	1, 12, 27.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	5	+ 4.7	+15 53.9	.	+15 58.6
9 24	29.98	76.2	73.8	5, 19, 37.	Bisections at I, II.	6	+ 4.6	-15 53.9	.	-15 49.3
10 4	29.96	77.3	75.1	6, 20, 25, 33, 34, 38.	Bisections at VI, VII.	16	+ 3.9	.	+ 0.5	+ 4.4
5 10 57	29.94	78.5	76.7	7, 9.	Bisections at II, VI, VII.	19	+ 4.7	+15 54.7	.	+15 59.4
13 33	29.89	83.5	80.2	8, 22.	Bisections at C ₃ , C ₂₁ , C ₁ .	20	+ 4.7	-15 54.7	.	-15 50.0
14 12	29.89	83.9	80.9			36	+ 3.8	.	+ 0.4	+ 4.2
0 54	29.83	73.8	71.0			37	+ 4.8	-15 54.8	.	-15 50.0
2 7	29.82	72.0	69.9			38	+ 4.8	+15 54.8	.	+15 59.6
9 24	29.90	88.8	87.1							
9 48	29.90	90.0	88.3							
10 16	29.91	90.8	88.9							
6 11 1	29.90	91.0	89.9							
11 41	29.90	91.4	91.1							
12 45	29.90	92.8	91.9							
13 45	29.89	92.5	91.1							
14 12	29.88	92.0	91.1							
0 55	29.98	71.0	67.9							
1 27	29.95	70.0	67.3							
7 29	29.85	76.3	75.6							
7 41	29.85	77.0	76.0							
10 5	29.86	87.0	84.3							
8 11 8	29.84	87.3	85.9							
14 12	29.79	89.0	86.8							
14 42	29.77	90.0	87.9							
9 19 35	29.92	70.0	67.9							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Aquilæ	11	45 29.01	- 0.16	+26.35	329 37 57.82	30.248	- 32.8	34.4	19 45 . .	. .		. .
2	β Aquilæ	11	49 58.90	- 0.17	+26.31	327 9 58.45	32.795	- 36.1	34.5	19 50 . .	. .		. .
3	π Capricorni	11	21 11.00	- 0.37	+26.41	302 29 59.62	30.588	- 1 27.7	34.3	20 21 . .	. .		. .
4	B. D. - 6°, 5577	9	39 59.05	- 0.26	+26.38	315 8 0.70	22.228	- 55.7	34.7	20 40 25.17	- 4.32	- 5 52 50.9	-20.3
5	B. D. - 5°, 5451	10	58 58.94	- 0.26	+26.39	316 7 56.18	21.868	- 53.9	34.7	20 59 25.07	- 4.35	- 4 53 3.9	-21.9
6	ι Pegasi	10	17 2.64	- 0.07	+26.44	340 24 1.75	30.190	- 20.0	36.6	21 17 . .	. .		. .
7	ϵ Pegasi	11	38 51.56	- 0.15	+26.37	330 26 5.55	31.501	- 31.8	35.0	21 39 . .	. .		. .
September 11, U.													
8	α Coronæ Borealis	11	29 59.58	+ 0.05	+27.11	348 4 2.38	31.004	- 11.6	28.1	15 30 . .	. .		. .
9	α Serpentis	9	38 52.95	- 0.02	+27.21	327 46 4.48	30.205	- 34.7	23.9	15 39 . .	. .		. .
10	δ Ophiuchi	11	8 38.89	- 0.05	+27.23	317 35 59.78	29.542	- 50.4	30.0	16 9 . .	. .		. .
11	Moon I	11	16 27.92	- 0.12	+27.19	297 10 . .	. .	. .	. .	16 16 54.99	+70.79		. .
12	α^2 Capricorni	11	12 4.31	- 0.07	+27.24	308 9 54.35	32.340	- 1 11.3	29.3	20 12 . .	. .		. .
13	ϵ Delphini	11	27 59.98	0.00	+27.26	331 57 56.10	33.358	- 29.9	30.6	20 28 . .	. .		. .
14	B. D. - 6°, 5574	9	39 42.74	- 0.05	+27.26	314 57 57.08	32.425	- 56.2	30.1	20 40 9.95	- 4.31	- 6 2 52.6	-20.4
15	B. D. - 5°, 5426	11	52 39.58	- 0.05	+27.26	315 45 50.65	32.629	- 54.7	30.1	20 53 6.79	- 4.33	- 5 14 51.7	-21.5
16	B. D. - 5°, 5451	11	58 58.11	- 0.05	+27.26	316 7 53.03	32.031	- 54.0	30.1	20 59 25.32	- 4.34	- 4 53 5.6	-22.0
17	ζ Cygni	11	8 14.88	+ 0.06	+27.22	350 49 49.02	31.256	- 9.0	30.6	21 8 . .	. .		. .
18	ι Pegasi	11	17 1.73	+ 0.02	+27.25	340 23 55.95	30.465	- 20.0	29.5	21 17 . .	. .		. .
19	B. D. - 3°, 5241	7	27 49.51	- 0.04	+27.27	317 53 57.58	31.187	- 50.8	30.1	21 28 16.74	- 4.38	- 3 7 22.0	-24.2
20	ϵ Pegasi	11	38 50.52	- 0.01	+27.26	330 25 58.12	31.628	- 31.9	30.9	21 39 . .	. .		. .
21	B. D. - 1°, 4212	11	46 29.35	- 0.04	+27.27	319 17 57.78	27.582	- 48.4	30.1	21 46 56.58	- 4.40	- 1 45 2.1	-25.4
22	α Aquarii	11	0 12.94	- 0.04	+27.34	320 13 57.25	29.310	- 46.9	29.9	22 0 . .	. .		. .
September 11, Ei.													
23	α Hydræ	11	22 11.84	+ 0.05	+27.56	312 47 56.48	31.472	- 59.4	28.3	9 22 . .	. .		. .
24	ϵ Leonis	11	39 41.95	+ 0.08	+27.45	345 15 55.75	28.852	- 14.4	27.5	9 40 . .	. .		. .
25	μ Leonis	11	46 35.99	+ 0.08	+27.43	347 29 57.82	29.941	- 12.2	27.2	9 47 . .	. .		. .
26	α Leonis	11	2 34.19	+ 0.05	+27.53	333 27 57.75	32.001	- 27.4	27.3	10 3 . .	. .		. .
27	Mercury II, C.	11	26 40.49	+ 0.04	+27.52	332 15 59.75	30.805	- 28.8	27.0	10 27 8.05	- 0.20	+ 11 14 54.2	. .
September 12, Ei.													
28	Sun I, S.	11	20 34.14	0.00	+27.55	324 50 4.88	31.348	- 38.4	27.0	11 21 1.69	+64.18	+ 3 49 4.8	. .
29	Sun II, N.	11	22 42.50	0.00	+27.55	325 22 3.15	31.025	- 37.6	27.0	11 23 10.05	-64.18	+ 4 20 55.7	. .
30	β Corvi	11	28 39.31	- 0.13	+27.64	298 13 56.18	26.168	- 1 40.7	27.3	12 29 . .	. .		. .
31	α Canum Venat.	11	50 52.05	+ 0.10	+27.56	359 53 59.30	27.200	- 0.1	26.1	12 51 . .	. .		. .
32	α Virginis	11	19 26.94	- 0.12	+27.67	310 24 6.88	29.270	- 1 3.5	26.4	13 19 . .	. .		. .
33	α Ursæ Minoris s. p.	10	23 5.87	-10.37	[+29.32]	52 13 59.88	29.020	+ 1 10.0	[27.2]	1 23 . .	. .		. .
34	α Bootis	11	10 37.61	- 0.02	+27.60	340 43 56.58	29.432	- 18.9	26.3	14 11 . .	. .		. .
35	α Scorpii	11	22 48.95	- 0.32	+27.70	294 49 55.35	30.785	- 1 56.6	26.3	16 23 . .	. .		. .
36	ζ Ophiuchi	11	31 11.53	- 0.23	+27.71	310 39 55.05	30.682	- 1 3.2	26.9	16 31 . .	. .		. .
37	κ Ophiuchi	11	52 28.52	- 0.12	+27.68	330 33 57.85	29.028	- 30.7	26.5	16 52 . .	. .		. .
38	α^1 Herculis	11	9 37.76	- 0.09	+27.67	335 31 56.95	29.811	- 24.8	26.6	17 10 . .	. .		. .
39	Moon I, N.	11	17 4.19	- 0.35	+27.70	296 53 56.68	32.036	- 1 46.9	26.6	17 17 31.54	+72.14	- 24 7 51.3	. .
40	π Capricorni	11	21 9.46	- 0.25	+27.79	302 29 53.02	30.528	- 1 26.4	[27.4]	20 21 . .	. .		. .
41	ϵ Delphini	11	27 59.57	- 0.08	+27.74	331 57 56.82	32.270	- 29.4	[29.3]	20 28 . .	. .		. .
42	β Andromedæ	11	3 41.65	+ 0.09	[+27.62]	356 5 58.82	31.178	- 3.7	[27.7]	1 4 . .	. .		. .
43	α Ursæ Minoris	4	22 45.80	+12.40	[+26.95]	49 46 . .	. .	. .	. .	1 23 . .	. .		. .
September 12, B.													
44	ϵ Hydræ	11	41 0.17	+ 0.03	+27.86	327 48 58.75	31.816	- 34.9	28.2	8 41 . .	. .		. .
45	α Hydræ	11	22 11.67	- 0.03	+27.82	312 48 2.75	31.199	- 59.6	26.4	9 22 . .	. .		. .
46	ϵ Leonis	11	39 41.55	+ 0.07	+27.88	345 15 59.25	28.715	- 14.5	27.2	9 40 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
9 20 18	29.92	69.0	67.1	4, 5, 6.	Z. D. thread A used.	27	+ 3.6	. . .	+ 0.3	+ 3.9
21 21	29.93	68.0	66.1	6, 21, 29.	Bisections at VI, VII.	28	+ 5.0	+15 55.4	. .	+16 0.4
21 48	29.93	67.8	65.9	19.	Bisections at II, VI, VII.	29	+ 5.0	-15 55.5	. .	-15 50.5
11 15 42	29.635	73.5	70.4	28.	Bisections at I, II.	39	+51 37.2	-15 51.4	. .	+35 45.8
16 24	29.645	72.0	69.2	33.	Bisections at C ₃ , C ₂ , C ₁ .					
20 36	29.67	63.5	61.2	39.	Bisections at II, III, IV, V, VI.					
21 18	29.67	62.2	60.7	41.	Bisections at II, VI.					
9 16	29.65	71.5	71.0							
10 6	29.64	75.0	72.9							
10 31	29.64	76.0	74.7							
12 11 22	29.62	77.0	75.9							
12 24	29.60	79.5	78.1							
13 9	29.60	81.0	78.9							
14 12	29.58	82.0	79.7							
16 20	29.56	80.0	77.0							
17 22	29.55	76.0	74.2							
20 19	29.55	71.0	68.3							
1 1	29.55	66.5	65.2							
8 43	29.71	69.2	68.9							
9 4	29.72	71.5	70.3	4, 5, 14, 15, 16, 19, 21.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Leonis	11	2 33.87	+ 0.02	+27.90	333 28 1.78	31.814	- 27.6	25.9	10 3 . .	. .	. . / . .	. .
2	Mercury C. C. . . .	11	33 8.37	0.00	+27.88	331 46 1.58	28.995	- 29.7	26.5	10 33 36.25	- 0.04	+ 10 44 4.1	. .
	September 13, B.												
3	Sun I, S.	11	24 9.33	- 0.04	+27.89	324 27 57.38	29.698	- 39.3	26.5	11 24 37.18	+64.06	+ 3 26 9.9	. .
4	Sun II, N.	11	26 17.45	- 0.04	+27.89	324 59 59.00	29.210	- 38.6	26.5	11 26 45.30	-64.06	+ 3 57 59.3	. .
5	β Leonis	11	43 28.53	+ 0.01	+27.91	336 9 57.15	28.762	- 24.3	25.7	11 43 . .	. .	. . / . .	. .
6	β Corvi	11	28 39.10	- 0.17	+27.89	298 13 57.58	26.136	- 1 42.3	26.1	12 29 . .	. .	. . / . .	. .
7	α Virginis	9	19 26.47	- 0.13	[+28.15]	310 23 59.40	29.558	- 1 4.7	26.0	13 19 . .	. .	. . / . .	. .
8	α Ursæ Minoris s. p.	9	23 7.92	-12.32	[+29.85]	52 13 52.00	29.250	+ 1 11.3	[27.6]	1 23 . .	. .	. . / . .	. .
9	η Bootis	11	49 26.56	0.00	+27.93	339 55 58.80	28.866	- 20.1	26.8	13 49 . .	. .	. . / . .	. .
10	γ² Sagittarii	11	58 55.65	- 0.23	+28.01	290 37 51.60	30.054	- 2 26.9	27.3	17 59 . .	. .	. . / . .	. .
11	μ Sagittarii	11	7 19.53	- 0.17	+28.05	299 57 58.38	29.011	- 1 36.5	26.4	18 7 . .	. .	. . / . .	. .
12	Moon I, S.	11	19 14.04	- 0.19	+28.04	297 19 56.85	36.008	- 1 47.4	27.9	18 19 41.89	+72.64	- 23 39 59.7	. .
13	1 Aquilæ	11	29 18.51	- 0.10	+28.05	312 42 0.32	32.660	- 1 0.5	27.8	18 29 . .	. .	. . / . .	. .
14	σ Sagittarii	11	48 36.72	- 0.20	+28.05	294 37 58.72	29.610	- 2 1.4	29.6	18 49 . .	. .	. . / . .	. .
15	α² Capricorni	11	12 3.52	- 0.08	+28.01	308 9 56.35	32.209	- 1 11.5	27.5	20 12 . .	. .	. . / . .	. .
16	π Capricorni	11	21 8.95	- 0.09	+28.13	302 29 59.65	30.435	- 1 28.3	29.5	20 21 . .	. .	. . / . .	. .
17	B. D.—6°, 5577. . .	9	39 57.16	- 0.03	+28.05	315 7 56.48	32.444	- 56.1	27.9	20 40 25.18	- 4.30	- 5 52 50.4	-20.5
18	B. D.—5°, 5424. . .	8	52 5.50	- 0.02	+28.05	315 41 56.48	32.958	- 55.0	27.9	20 52 33.53	- 4.33	- 5 18 34.6	-21.6
19	B. D.—5°, 5429. . .	11	53 32.05	- 0.02	+28.05	315 41 56.48	33.808	- 54.9	27.9	20 54 0.08	- 4.33	- 5 13 16.5	-21.7
20	B. D.—4°, 5365. . .	9	2 13.33	- 0.02	+28.05	316 15 55.48	22.740	- 54.0	27.9	21 2 41.36	- 4.35	- 4 44 34.2	-22.4
21	B. D.—3°, 5241. . .	8	27 48.65	0.00	+28.06	317 53 54.58	20.988	- 51.1	27.9	21 28 16.71	- 4.38	- 3 7 21.0	-24.3
22	μ Capricorni	9	47 24.08	- 0.03	+27.98	306 59 54.35	32.350	- 1 15.0	28.5	21 47 . .	. .	. . / . .	. .
23	α Aquarii	11	0 12.11	+ 0.02	+28.10	320 13 59.62	29.130	- 47.2	26.7	22 0 . .	. .	. . / . .	. .
24	β Andromedæ	11	3 41.14	+ 0.16	[+28.08]	356 5 56.18	31.310	- 3.8	[28.4]	1 4 . .	. .	. . / . .	. .
25	α Ursæ Minoris . . .	6	22 52.32	+ 6.10	[+27.33]	49 45 57.80	30.572	+ 1 7.8	[31.0]	1 23 . .	. .	. . / . .	. .
	September 13, U.												
26	α Hydræ	3	22 11.30	+ 0.09	+28.09	312 47 58.22	31.505	- 1 1.5	28.7	9 22 . .	. .	. . / . .	. .
27	α Leonis	9	2 33.52	+ 0.09	+28.19	333 27 58.35	31.999	- 28.4	27.1	10 3 . .	. .	. . / . .	. .
28	γ¹ Leonis	11	13 58.31	+ 0.09	+28.10	341 21 58.85	30.566	- 19.2	27.5	10 14 . .	. .	. . / . .	. .
29	Mercury C. C. . . .	11	39 44.46	+ 0.09	+28.15	331 11 57.82	30.671	- 31.2	27.3	10 40 12.70	- 0.03	+ 10 10 45.8	. .
	September 14, U.												
30	Sun I, S.	8	27 44.55	+ 0.08	+28.17	324 4 2.32	31.495	- 41.0	27.3	11 28 12.80	+63.94	+ 3 3 3.6	. .
31	Sun II, N.	11	29 52.44	+ 0.08	+28.17	324 35 57.75	31.408	- 40.2	27.3	11 30 20.69	-63.95	+ 3 34 58.3	. .
32	ε Bootis	11	40 8.03	+ 0.07	+28.29	348 31 58.45	28.245	- 11.4	26.7	14 40 . .	. .	. . / . .	. .
33	α Coronæ Borealis .	11	29 58.37	+ 0.07	+28.24	348 3 55.85	31.166	- 11.9	26.2	15 30 . .	. .	. . / . .	. .
34	α Serpentis	11	38 51.78	+ 0.03	+28.29	327 45 58.30	30.415	- 35.6	27.8	15 39 . .	. .	. . / . .	. .
35	ε Serpentis	11	45 21.15	+ 0.03	+28.28	325 48 1.02	31.035	- 38.3	27.2	15 45 . .	. .	. . / . .	. .
36	d Sagittarii	11	11 19.58	+ 0.01	+28.25	301 54 0.55	31.498	- 1 31.6	28.0	19 11 . .	. .	. . / . .	. .
37	Moon I, S.	11	21 35.55	0.00	+28.27	299 56 0.12	29.843	- 1 39.2	28.9	19 22 3.82	+72.32	- 21 6 44.9	. .
38	κ Aquilæ	11	31 3.28	+ 0.03	+28.26	313 46 1.20	32.330	- 59.8	28.0	19 31 . .	. .	. . / . .	. .
39	γ Aquilæ	11	41 2.85	+ 0.06	+28.29	331 24 0.65	29.774	- 31.3	29.0	19 41 . .	. .	. . / . .	. .
40	β Aquilæ	11	49 56.64	+ 0.05	+28.28	327 10 1.12	32.572	- 37.0	29.6	19 50 . .	. .	. . / . .	. .
41	τ Aquilæ	7	58 47.76	+ 0.06	[+28.43]	328 0 2.32	33.182	- 35.9	29.2	19 59 . .	. .	. . / . .	. .
42	B. D.—6°, 5574. . .	11	39 41.55	+ 0.06	+28.28	314 57 57.45	32.406	- 57.5	28.9	20 40 9.89	- 4.30	- 6 2 52.9	-20.5
43	μ Aquarii	11	46 48.45	+ 0.06	+28.30	311 40 2.58	31.368	- 1 4.6	28.9	20 47 . .	. .	. . / . .	. .
44	B. D.—5°, 5451. . .	11	58 56.93	+ 0.07	+28.28	316 8 2.65	31.726	- 55.2	28.9	20 59 25.28	- 4.34	- 4 53 4.7	-22.2
45	ζ Cygni	11	8 13.78	+ 0.11	+28.24	350 50 2.32	30.766	- 9.2	29.2	21 8 . .	. .	. . / . .	. .
46	1 Pegasi	11	17 0.60	+ 0.10	+28.28	340 24 1.40	30.276	- 20.5	28.7	21 17 . .	. .	. . / . .	. .
47	B. D.—3°, 5234. . .	11	26 36.52	+ 0.09	+28.29	317 49 59.85	30.879	- 52.1	28.9	21 27 4.90	- 4.38	- 3 11 28.6	-24.3

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
12 10 4	29.72	72.8	70.2	3, 18, 20.	Bisections at I, II.	2	+ 3.6	. .	+ 0.3	+ 3.9
10 34	29.73	73.5	70.7	4, 19, 26, 31, 35, 41.	Bisections at VI, VII.	3	+ 5.1	+15 54.6	. .	+15 59.7
11 26	29.72	74.0	72.4	8.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	4	+ 5.0	-15 54.7	. .	-15 49.7
12 30	29.72	74.2	71.6	12.	Bisections at II, III, IV, V, VI.	12	+52 7.6	+16 4.6	. .	+68 12.2
13 0	29.72	74.4	71.9	19, 20, 21.	Z. D. thread A used.	29	+ 3.6	. .	+ 0.2	+ 3.8
13 51	29.72	74.8	72.2	25.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	30	+ 5.1	+15 57.3	. .	+16 2.4
17 55	29.755	69.4	66.4	30.	Bisection at II.	31	+ 5.1	-15 57.4	. .	-15 52.3
18 50	29.77	66.6	64.6	32.	Bisections at II, VI, VII.	37	+51 32.1	+16 17.4	. .	+67 49.5
20 10	29.80	64.6	62.4	37.	Bisections at II, IV, VI.					
20 46	29.82	63.0	61.3							
22 2	29.84	61.5	59.7							
0 56	29.86	59.2	56.7							
1 42	29.88	58.4	56.3							
9 24	30.06	62.5	60.8							
10 6	30.06	64.2	61.4							
10 45	30.06	65.0	63.1							
11 29	30.06	66.3	63.9							
15 33	30.05	68.8	65.3							
15 50	30.04	68.6	65.4							
19 17	30.065	60.3	58.3	20, 21, 42, 44, 47.	Bright wire illumination.					
19 55	30.08	58.8	57.0							
21 5	30.09	57.7	56.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	♈ Aquarii	11	31 58.65	+ 0.09	+28.29	312 41 59.62	34.274	- 1 2.3	28.9	21 32 . .	. .		. .
2	♊ Pegasi	11	38 49.34	+ 0.10	+28.32	330 26 3.22	31.450	- 32.6	29.9	21 39 . .	. .		. .
	September 14, L.												
3	♌ Leonis	11	2 33.31	+ 0.18	+28.33	338 27 59.35	31.998	- 28.3	28.2	10 3 . .	. .		. .
4	♊ Mercury C. C. . . .	10	46 26.72	+ 0.18	+28.32	330 36 2.38	31.366	- 31.8	27.3	10 46 55.22	- 0.02	+ 9 35 9.6	. .
	September 15, L.												
5	Sun I, S.	11	31 19.32	+ 0.16	+28.34	323 42 0.10	29.320	- 41.4	27.3	11 31 47.82	+64.14	+ 2 39 59.0	. .
6	Sun II, N.	11	33 27.59	+ 0.16	+28.34	324 14 2.92	28.872	- 40.6	27.3	11 33 56.09	-64.13	+ 3 11 50.8	. .
7	♊ Canum Venat. . . .	8	50 51.27	+ 0.14	+28.29	359 54 . .	. .	. .	. .	12 51 . .	. .		. .
8	♍ Virginis	11	19 25.99	+ 0.10	+28.39	310 24 4.72	29.432	- 1 5.8	26.5	13 19 . .	. .		. .
9	♊ Bootis	11	10 36.62	+ 0.11	+28.43	340 44 4.10	29.218	- 19.6	27.3	14 11 . .	. .		. .
10	♏ Aquilæ	11	58 47.65	+ 0.03	+28.56	327 59 58.42	33.230	- 35.7	26.8	19 59 . .	. .		. .
11	♏ Capricorni	11	12 2.89	- 0.03	+28.57	308 10 1.12	32.092	- 1 12.6	27.8	20 12 . .	. .		. .
12	♏ Moon I, S.	11	23 0.76	- 0.04	+28.57	303 56 3.48	27.988	- 1 24.9	28.4	20 23 29.29	+71.44	- 17 7 19.6	. .
13	♏ Delphini	11	27 58.62	+ 0.04	+28.54	331 57 59.85	33.210	- 30.4	29.3	20 28 . .	. .		. .
14	♊ Aquarii	11	46 48.21	- 0.02	+28.61	311 40 7.42	31.210	- 1 4.3	29.5	20 47 . .	. .		. .
	September 15, B.												
15	♏ Hydrae	11	22 10.67	+ 0.14	+28.71	312 47 58.65	31.399	- 1 1.2	26.5	9 22 . .	. .		. .
16	♏ Leonis	11	39 40.68	+ 0.10	+28.77	345 15 56.20	28.760	- 15.2	25.1	9 40 . .	. .		. .
17	♏ Leonis	10	2 32.96	+ 0.10	+28.77	333 28 5.85	31.672	- 28.2	25.6	10 3 . .	. .		. .
18	♏ Leonis	11	13 57.61	+ 0.09	+28.83	341 22 3.65	30.320	- 19.0	25.8	10 14 . .	. .		. .
19	♊ Mercury C. C. . . .	11	53 13.11	+ 0.08	+28.83	330 0 6.22	27.780	- 32.5	25.6	10 53 42.02	- 0.02	+ 8 57 32.4	. .
	September 16, B.												
20	Sun I, N.	11	34 54.28	+ 0.06	+28.87	323 50 1.88	30.702	- 41.1	25.6	11 35 23.21	+64.01	+ 2 48 42.1	. .
21	Sun II, S.	6	37 2.31	+ 0.06	+28.87	323 18 3.68	30.940	- 41.8	25.6	11 37 31.24	-64.02	+ 2 16 51.0	. .
22	♊ Canum Venat. . . .	9	50 50.71	+ 0.07	+28.92	359 54 2.52	27.156	- 0.1	[28.9]	12 51 . .	. .		. .
23	♍ Virginis	11	19 25.53	+ 0.04	+28.90	310 24 6.70	29.262	- 1 5.6	23.8	13 19 . .	. .		. .
24	♊ Bootis	11	49 25.48	+ 0.01	+28.98	339 56 4.92	28.608	- 20.4	25.5	13 49 . .	. .		. .
25	♊ Bootis	11	10 36.03	+ 0.01	+29.11	340 44 5.98	29.125	- 19.6	26.6	14 11 . .	. .		. .
26	♏ Capricorni	11	12 2.56	- 0.14	+29.00	308 9 59.08	32.068	- 1 12.2	25.5	20 12 . .	. .		. .
27	♏ Capricorni	11	21 8.05	- 0.16	+29.06	302 29 59.80	30.341	- 1 29.1	26.3	20 21 . .	. .		. .
28	B. D.—5°, 5426 . . .	9	52 37.78	- 0.09	+29.02	315 45 59.25	32.238	- 55.4	26.2	20 53 6.71	- 4.31	- 5 14 51.1	-21.6
29	B. D.—5°, 5429 . . .	9	53 30.96	- 0.09	+29.02	315 45 59.25	35.585	- 55.4	26.2	20 53 59.89	- 4.31	- 5 13 15.7	-21.7
30	B. D.—5°, 5451 . . .	10	58 56.07	- 0.08	+29.02	316 7 57.68	32.012	- 54.8	26.2	20 59 25.01	- 4.32	- 4 52 58.5	-22.2
31	♏ Moon I, S.	11	22 54.60	- 0.10	+29.02	309 5 54.25	26.413	- 1 10.2	26.2	21 23 23.52	+70.38	- 11 57 56.9	. .
32	♈ Aquarii	11	31 58.07	- 0.09	+29.04	312 41 59.50	34.119	- 1 1.8	24.8	21 32 . .	. .		. .
33	♊ Pegasi	11	38 48.77	- 0.01	+28.99	330 26 4.00	31.361	- 32.4	28.2	21 39 . .	. .		. .
	September 17, S.												
34	♏ Capricorni	11	47 23.05	- 0.11	+29.07	307 0 6.22	31.898	- 1 15.2	27.4	21 47 . .	. .		. .
35	♈ Aquarii	11	0 11.15	- 0.06	+29.13	320 14 4.45	28.964	- 47.3	26.5	22 0 . .	. .		. .
36	♏ Moon I, S.	11	21 20.35	- 0.08	+29.13	315 0 6.15	31.033	- 56.8	26.8	22 21 49.40	+69.55	- 6 1 20.5	. .
37	♊ Pegasi	11	36 0.75	- 0.01	+29.14	331 20 6.60	30.262	- 31.1	27.0	22 36 . .	. .		. .
38	♏ Aquarii	11	46 56.21	- 0.08	+29.17	312 56 3.12	28.710	- 1 1.1	26.6	22 47 . .	. .		. .
39	♏ Piscium	11	34 20.76	- 0.03	+29.09	326 6 3.15	31.649	- 38.2	26.7	23 34 . .	. .		. .
40	B. D.—4°, 5955 . . .	11	41 48.13	- 0.07	+29.12	316 35 59.68	26.838	- 53.8	26.8	23 42 17.18	- 4.52	- 4 27 23.5	-29.3
41	♏ Piscium	11	53 42.86	- 0.03	+29.15	327 20 3.20	30.580	- 36.5	26.6	23 54 . .	. .		. .
	September 18, U.												
42	♏ Aquarii	11	46 56.23	- 0.24	+29.31	312 55 57.32	28.820	- 1 0.3	23.7	22 47 . .	. .		. .
43	♏ Piscis Australis . .	11	51 40.29	- 0.40	+29.27	290 53 58.95	30.690	- 2 25.6	22.9	22 52 . .	. .		. .
44	♈ Pegasi	11	59 19.03	- 0.10	+29.27	335 41 58.08	29.148	- 25.3	24.1	22 59 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
14	10	4	30.20	68.0	64.9	2, 6, 13, 19, 21, 40.	Bisections at VI, VII.	4	+ 3.6	. .	+ 0.2	+ 3.8
15	10	4	30.19	69.0	66.7	5, 20, 28, 29, 30.	Bisections at I, II.	5	+ 5.2	+15 55.8	. .	+16 1.0
	13	31	30.18	70.8	68.1	12, 31, 36.	Bisections at II, III, IV, V, VI.	6	+ 5.1	-15 55.9	. .	-15 50.8
	14	12	30.16	73.8	70.6	44.	Bisections at II, VI, VII.	12	+49 52.6	+16 28.3	. .	+66 20.9
	20	0	30.17	64.2	61.0			19	+ 3.6	. .	+ 0.2	+ 3.8
	20	40	30.18	63.7	60.1			20	+ 5.2	-15 55.5	. .	-15 50.3
	9	18	30.25	66.4	65.7			21	+ 5.2	+15 55.6	. .	+16 0.8
	10	21	30.255	69.8	67.7			31	+46 59.7	+16 35.8	. .	+63 35.5
	10	57	30.25	72.3	70.7			36	+42 53.9	+16 39.1	. .	+59 33.0
	11	37	30.24	73.0	70.9							
	12	4	30.22	75.0	73.1							
	13	30	30.22	75.3	73.1							
	14	8	30.20	74.3	72.1							
	20	10	30.19	66.8	63.9							
	20	30	30.19	65.4	63.4							
	21	17	30.19	64.0	62.2							
	21	41	30.18	63.8	61.9							
17	21	53	30.01	63.8	61.9							
	22	53	29.99	62.2	60.6							
	0	3	29.98	61.2	59.7							
18	22	55	29.89	67.4	65.6							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Moon I, N.	11	18 47.98	- 0.19	+29.29	321 52 0.92	28.016	- 44.1	24.4	23 19 17.08	+69.13	+ 0 49 23.4	. .
2	Piscium	11	34 20.68	- 0.16	+29.31	326 8 1.12	27.464	- 37.7	25.8	23 34 . .	. .	. .	. .
3	B. D. -4°, 5955. . .	11	41 48.05	- 0.22	+29.29	316 36 0.02	26.759	- 53.1	24.4	23 42 17.12	- 4.53	- 4 27 22.3	-29.3
4	ω Piscium	11	53 42.86	- 0.15	+29.28	327 19 59.22	30.675	- 36.0	25.7	23 54 . .	. .	. .	. .
	September 21, U.												
5	Sun I, N.	11	52 49.76	- 0.18	+29.71	321 54 6.85	29.875	- 44.0	24.2	11 53 19.29	+64.05	+ 0 52 22.1	. .
6	Sun II, S.	11	54 57.85	- 0.18	+29.71	321 21 57.62	30.452	- 44.8	24.2	11 55 27.38	-64.04	+ 0 20 29.5	. .
7	ε Bootis.	6	40 6.70	- 0.08	+29.68	348 32 8.12	27.807	- 11.3	24.9	14 40 . .	. .	. .	. .
8	α Coronæ Borealis .	11	29 56.89	- 0.08	+29.75	348 3 57.72	30.984	- 11.8	23.6	15 30 . .	. .	. .	. .
9	β Aquilæ	11	49 55.20	- 0.05	+29.72	327 9 59.15	32.511	- 36.7	25.9	19 50 . .	. .	. .	. .
10	τ Aquilæ	11	58 46.38	- 0.04	+29.82	328 1 55.95	29.099	- 35.5	26.5	19 59 . .	. .	. .	. .
11	B. D. -4°, 5365. . .	10	2 11.48	- 0.06	+29.74	316 15 58.82	32.629	- 54.6	26.8	21 2 41.16	- 4.27	- 4 44 40.2	-22.4
12	B. D. -3°, 5241. . .	11	27 46.90	- 0.05	+29.74	317 53 59.98	30.972	- 51.6	26.8	21 28 16.59	- 4.32	- 3 7 23.2	-24.4
13	ε Pegasi	11	38 48.03	- 0.01	+29.69	330 26 5.20	31.311	- 32.4	27.4	21 39 . .	. .	. .	. .
14	μ Capricorni. . . .	11	47 22.33	- 0.08	+29.74	307 2 2.35	27.841	- 15.8	27.4	21 47 . .	. .	. .	. .
15	η Piscium	11	25 39.38	+ 0.04	+29.84	335 50 1.62	32.819	- 25.9	26.9	1 26 . .	. .	. .	. .
16	ο Piscium	11	39 38.15	+ 0.04	+29.83	329 41 59.75	27.875	- 33.8	28.7	1 40 . .	. .	. .	. .
17	β Arietis	11	48 38.36	+ 0.05	+29.82	341 19 59.48	31.225	- 19.5	27.2	1 49 . .	. .	. .	. .
18	α Arietis	11	1 3.62	+ 0.06	+29.76	344 0 1.05	31.481	- 16.5	26.5	2 1 . .	. .	. .	. .
19	Moon II, N.	11	14 1.93	+ 0.05	+29.76	338 16 2.88	28.963	- 23.1	27.5	2 14 31.74	-70.07	+ 17 14 10.1	. .
20	ε Ceti.	11	22 21.77	+ 0.04	+29.87	329 2 3.95	30.769	- 34.7	28.1	2 22 . .	. .	. .	. .
	September 21, L.												
21	ε Hydræ	11	40 58.45	+ 0.07	+29.74	327 50 1.62	27.480	- 35.8	27.1	8 41 . .	. .	. .	. .
22	α Hydræ	11	22 9.67	+ 0.08	+29.88	312 50 5.62	26.972	- 1.0	27.3	9 22 . .	. .	. .	. .
23	ε Leonis	11	39 39.90	+ 0.06	+29.71	345 16 7.10	28.369	- 14.8	26.1	9 40 . .	. .	. .	. .
24	α Leonis	11	2 32.08	+ 0.06	+29.79	333 30 10.98	27.275	- 28.1	26.1	10 3 . .	. .	. .	. .
25	Mercury C, C. . . .	11	34 14.09	+ 0.03	+29.78	325 44 13.15	28.139	- 38.0	25.7	11 34 43.90	- 0.01	+ 4 41 43.9	. .
	September 22, L.												
26	Sun I, N.	10	56 24.93	+ 0.01	+29.78	321 31 50.10	27.805	- 44.3	25.5	11 56 54.72	+64.14	+ 0 29 4.7	. .
27	Sun II, S.	11	58 33.22	+ 0.01	+29.78	320 59 53.40	27.765	- 45.1	25.5	11 59 3.01	-64.15	- 0 2 52.9	. .
28	α Canum Venat. . . .	11	50 49.95	+ 0.06	+29.67	359 54 1.72	26.975	- 0.1	24.4	12 51 . .	. .	. .	. .
29	α Virginis.	11	19 24.63	- 0.03	+29.85	310 24 7.20	29.292	- 5.1	25.4	13 19 . .	. .	. .	. .
30	α Ursæ Minoris s. p.	9	23 5.98	- 3.58	[+27.40]	52 14 3.20	28.569	+ 11.8	[23.0]	1 23 . .	. .	. .	. .
31	η Bootis.	8	49 24.57	+ 0.02	+29.83	339 56 . .	. .	. .	. .	13 49 . .	. .	. .	. .
32	α Bootis.	11	10 35.32	+ 0.02	+29.74	340 44 3.82	29.100	- 19.3	24.9	14 11 . .	. .	. .	. .
33	B. D. -4°, 5955. . .	11	41 47.32	+ 0.04	+29.76	316 36 6.98	26.584	- 53.8	26.7	23 42 17.12	- 4.53	- 4 27 23.3	-29.3
34	ω Piscium	11	53 42.22	+ 0.06	+29.74	327 20 4.25	30.581	- 36.5	27.2	23 54 . .	. .	. .	. .
35	γ Pegasi	11	7 36.76	+ 0.09	+29.78	335 40 2.48	28.272	- 25.8	26.3	0 8 . .	. .	. .	. .
36	12 Ceti.	11	24 27.79	+ 0.04	+29.76	316 32 3.68	28.755	- 54.1	27.3	0 24 . .	. .	. .	. .
37	α Ursæ Minoris . . .	8	22 51.55	+ 6.61	[+31.92]	49 46 1.08	30.417	+ 7.9	[26.9]	1 23 . .	. .	. .	. .
38	γ Ceti.	11	37 38.35	+ 0.06	+29.85	323 50 1.52	31.422	- 41.8	27.2	2 38 . .	. .	. .	. .
39	α Ceti.	11	56 34.22	+ 0.06	+29.91	324 44 1.52	29.199	- 40.5	26.5	2 57 . .	. .	. .	. .
40	ε Arietis	11	8 40.26	+ 0.10	+29.89	341 42 1.58	29.524	- 18.9	26.9	3 9 . .	. .	. .	. .
41	Moon II, N.	11	12 49.93	+ 0.10	+29.89	341 42 1.58	30.739	- 18.9	26.7	3 13 19.92	-70.35	+ 20 41 4.4	. .
42	ε Eridani	11	27 44.19	+ 0.02	+29.90	311 14 2.12	30.850	- 5.3	25.2	3 28 . .	. .	. .	. .
	September 22, B.												
43	α Hydræ	10	22 9.39	+ 0.05	+30.22	312 48 9.20	31.042	- 0.7	27.1	9 22 . .	. .	. .	. .
44	ε Leonis	10	39 39.47	+ 0.11	+30.11	345 16 4.60	28.434	- 14.8	25.6	9 40 . .	. .	. .	. .
45	α Leonis	11	2 31.80	+ 0.08	+30.07	333 28 4.70	31.646	- 28.0	24.6	10 3 . .	. .	. .	. .
46	Mercury C, C. . . .	11	40 59.46	+ 0.02	+30.17	324 58 8.20	28.630	- 39.0	24.4	11 41 29.65	0.00	+ 3 55 53.2	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
18 23 59	29.88	66.5	64.9	1, 41.	Bisections at II, III, IV, V, VI.	1	+37 21.5	-16 37.1	. .	+20 44.4
21 11 54	29.80	67.0	63.9	5, 26.	Bisections at I, II.	5	+ 5.4	-15 56.3	. .	-15 50.9
19 55	29.84	70.5	66.0	6, 27.	Bisections at VI, VII.	6	+ 5.5	+15 56.2	. .	+16 1.7
21 10	29.89	60.5	58.5	7, 21.	Bisections at II, VI, VII.	19	+21 32.5	-16 4.1	. .	+ 5 28.4
1 22	29.91	58.3	56.9	19.	Bisections at II, IV, VI.	25	+ 3.7		0.0	+ 3.7
2 7	29.95	54.0	53.0	30.	Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	26	+ 5.5	-15 58.8	. .	-15 53.3
8 42	30.00	53.3	52.1	37.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	27	+ 5.5	+15 58.8	. .	+16 4.3
9 23	30.00	60.2	60.1			41	+17 54.8	-15 48.4	. .	+ 2 6.4
9 41	30.00	64.0	63.6			46	+ 3.8		0.0	+ 3.8
10 4	30.00	65.1	64.8							
11 36	30.00	67.8	66.1							
11 58	30.00	72.2	70.9							
13 33	29.98	72.7	71.4							
14 12	29.97	75.9	73.3							
23 44	29.97	77.1	73.7							
0 28	29.96	62.0	59.9							
1 28	29.97	61.0	58.4							
2 40	29.97	59.0	56.9							
3 24	29.96	58.2	56.6							
9 16	29.96	58.0	56.1							
9 47	30.03	66.4	66.2							
11 43	30.04	68.0	67.3							
	30.035	73.4	72.2	11, 12.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	September 23, B.		m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	Sun I, S.	11	0 0.13	0.00	+30.17	320 36 11.05	28.450	— 45.6	24.2	12 0 30.30	+64.10	— 0 26 15.9	. .
2	Sun II, N.	11	2 8.33	0.00	+30.17	321 8 11.20	28.238	— 44.8	24.2	12 2 38.50	—64.10	+ 0 5 40.0	. .
3	Venus C, C.	7	10 26.92	— 0.01	+30.19	321 18 7.48	29.870	— 44.4	24.1	12 10 57.10	0.00	+ 0 16 23.4	. .
4	α Canum Venat.	10	50 49.46	+ 0.14	+30.08	359 54 3.98	26.835	— 0.1	22.8	12 51 . . .	. . .	. . .	. .
5	α Virginis	11	19 24.32	— 0.10	+30.23	310 24 8.50	29.184	— I 4.9	23.8	13 19 . . .	. . .	. . .	. .
6	α Ursæ Minoris S. P.	9	23 8.86	— 10.87	[+32.37]	52 14 4.82	28.535	+ I 11.6	[23.8]	1 23 . . .	. . .	. . .	. .
7	α Bootis	11	10 34.87	+ 0.02	+30.19	340 44 8.72	28.855	— 19.3	22.9	14 11 . . .	. . .	. . .	. .
8	ε Bootis	11	40 6.02	— 0.06	+30.32	348 32 6.55	27.778	— 11.2	22.8	14 40 . . .	. . .	. . .	. .
9	η Tauri	11	41 3.01	+ 0.05	+30.30	344 50 1.38	27.869	— 15.5	24.9	3 41 . . .	. . .	. . .	. .
10	ζ Persei	11	47 21.35	+ 0.09	+30.30	352 36 1.85	30.500	— 7.4	24.1	3 47 . . .	. . .	. . .	. .
11	Moon II, N.	11	11 37.55	+ 0.04	+30.30	343 48 3.52	28.352	— 16.6	24.6	4 12 7.89	—70.18	+ 22 46 2.8	. .
12	γ Tauri	11	13 36.62	+ 0.01	+30.30	336 24 2.95	31.135	— 24.9	23.4	4 14 . . .	. . .	. . .	. .
13	ε Tauri	11	22 17.06	+ 0.03	+30.31	339 58 5.28	31.689	— 20.8	26.0	4 22 . . .	. . .	. . .	. .
	September 24, S.												
14	α Tauri	11	29 41.39	— 0.09	+30.38	337 19 51.42	30.059	— 23.4	23.6	4 30 . . .	. . .	. . .	. .
15	II Orionis	11	58 21.55	— 0.10	+30.44	336 16 2.35	32.692	— 24.6	24.7	4 58 . . .	. . .	. . .	. .
16	Moon II, N.	11	9 32.73	— 0.06	+30.43	344 30 3.65	26.623	— 15.6	24.5	5 10 3.10	—69.39	+ 23 27 14.7	. .
17	β Tauri	11	19 28.37	— 0.03	+30.43	349 34 4.30	26.628	— 10.3	23.6	5 19 . . .	. . .	. . .	. .
18	δ Orionis	11	26 24.00	— 0.18	+30.48	320 40 5.25	28.756	— 46.0	26.2	5 26 . . .	. . .	. . .	. .
	September 26, E.												
19	μ Geminorum	11	17 24.85	+ 0.07	—29.98	343 36 2.78	28.132	— 17.2	25.6	6 16 . . .	. . .	. . .	. .
20	γ Geminorum	11	32 26.18	+ 0.08	—29.96	337 32 0.20	26.810	— 24.2	25.5	6 31 . . .	. . .	. . .	. .
21	Moon II, S.	11	9 29.94	+ 0.07	—29.99	341 32 5.70	30.621	— 19.5	25.3	7 0 0.02	—66.41	+ 20 31 6.0	. .
22	δ Geminorum	11	14 38.98	+ 0.07	—30.01	343 12 5.10	28.244	— 17.7	25.1	7 14 . . .	. . .	. . .	. .
23	α² Geminorum	11	28 43.05	+ 0.04	—30.02	353 8 3.58	28.845	— 7.0	25.0	7 28 . . .	. . .	. . .	. .
	September 26, S.												
24	α Hydræ	11	23 9.49	+ 0.16	—29.91	312 50 1.40	27.079	— I 2.1	25.1	9 22 . . .	. . .	. . .	. .
25	ε Leonis	11	40 39.83	+ 0.05	—30.10	345 16 3.92	28.402	— 15.1	24.3	9 40 . . .	. . .	. . .	. .
26	α Leonis	11	3 31.94	+ 0.09	—30.01	333 30 3.45	27.491	— 28.7	24.7	10 3 . . .	. . .	. . .	. .
27	γ' Leonis	10	14 56.64	+ 0.06	—29.99	341 24 8.35	25.849	— 19.3	24.5	10 14 . . .	. . .	. . .	. .
	September 27, S.												
28	Sun I, S.	11	15 23.90	+ 0.09	—29.98	319 2 11.42	29.365	— 49.6	24.7	12 14 54.01	+64.27	— 1 59 54.0	. .
29	Sun II, N.	11	17 32.45	+ 0.09	—29.98	319 34 7.90	29.365	— 48.7	24.7	12 17 2.56	—64.28	— 1 27 55.6	. .
30	α Virginis	6	20 24.33	+ 0.08	—29.97	310 24 10.38	29.258	— I 6.9	25.7	13 19 . . .	. . .	. . .	. .
31	α Ursæ Minoris S. P.	10	23 56.64	+ 5.71	[—29.98]	52 14 6.45	28.402	+ I 13.7	[25.3]	1 23 . . .	. . .	. . .	. .
32	α Bootis	10	11 35.00	+ 0.02	—29.97	340 44 2.52	29.118	— 20.0	24.1	14 11 . . .	. . .	. . .	. .
33	ε Bootis	11	41 6.20	0.00	—29.97	348 31 58.95	28.088	— 11.5	24.4	14 40 . . .	. . .	. . .	. .
34	ε Piscium	11	58 16.63	+ 0.22	—30.21	328 21 57.32	31.860	— 35.9	[26.3]	0 57 . . .	. . .	. . .	. .
35	α Ursæ Minoris	8	24 6.51	— 2.51	[—31.44]	49 47 59.98	26.291	+ I 9.2	[27.5]	1 23 . . .	. . .	. . .	. .
36	α Piscium	11	40 38.15	+ 0.22	—30.21	329 42 5.30	27.634	— 34.1	[26.7]	1 40 . . .	. . .	. . .	. .
37	δ Geminorum	11	14 39.14	+ 0.16	—30.23	343 12 1.95	28.310	— 17.7	23.8	7 14 . . .	. . .	. . .	. .
38	α² Geminorum	11	28 43.32	+ 0.12	—30.34	353 7 59.28	29.002	— 7.0	25.3	7 28 . . .	. . .	. . .	. .
39	α Canis Minoris	11	34 33.99	+ 0.22	—30.23	326 29 51.55	31.516	— 38.7	25.8	7 34 . . .	. . .	. . .	. .
40	β Geminorum	11	39 41.84	+ 0.14	—30.29	349 18 2.78	28.204	— 11.0	25.8	7 39 . . .	. . .	. . .	. .
41	Moon II	11	51 43.25	+ 0.18	—30.28	339 2 . . .	. . .	. . .	. . .	7 51 13.15	—64.70	. . .	. .
	September 27, U.												
42	α Hydræ	11	23 9.90	+ 0.26	—30.40	312 50 7.15	26.899	— I 2.2	25.6	9 22 . . .	. . .	. . .	. .
43	ε Leonis	11	40 40.08	+ 0.15	—30.43	345 16 4.50	28.424	— 15.1	25.7	9 40 . . .	. . .	. . .	. .
44	α Leonis	11	3 32.19	+ 0.19	—30.34	333 29 58.45	27.716	— 28.6	26.3	10 3 . . .	. . .	. . .	. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
23 12 2	30.03	74.5	73.3	1, 28.	Bisections at I, II.	1	+ 5.6	+15 57.9	. .	+16 3.5
12 56	30.03	76.4	75.5	2, 3, 29, 30.	Bisections at VI, VII.	2	+ 5.5	—15 57.9	. .	—15 52.4
13 41	30.03	78.2	75.7	6.	Bisections at C ₂ , C ₃ , C ₄ , C ₅ .	3	+ 3.2	. . .	0.0	+ 3.2
14 35	30.02	78.8	76.4	11, 16, 21.	Bisections at II, III, IV, V, VI.	11	+15 38.5	—15 32.7	. .	+ 0 5.8
3 37	30.01	61.4	59.2	12.	Bisections at II, VI, VII.	16	+14 45.3	—15 18.5	. .	— 0 33.2
4 27	30.01	60.0	58.7	31.	Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	21	+17 5.5	+14 56.9	. .	+32 2.4
24 4 30	29.75	64.3	63.0	35.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	28	+ 5.8	+15 59.2	. .	+16 5.0
5 26	29.74	63.8	62.9			29	+ 5.7	—15 59.1	. .	—15 53.4
6 0	29.80	45.0	42.7							
6 56	29.82	45.0	42.9							
7 33	29.84	46.0	44.9							
9 24	29.805	53.8	52.9							
10 19	29.91	56.9	54.7							
12 17	29.92	59.8	56.7							
13 6	29.91	61.3	58.9							
14 13	29.91	63.8	56.5							
14 45	29.91	63.8	59.5							
1 1	29.97	49.6	47.9							
1 43	29.98	49.2	47.4							
7 10	30.01	47.0	45.9							
9 15	30.05	55.5	54.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			in s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	γ^1 Leonis	II	14 57.01	+ 0.16	-30.44	341 22 2.35	30.341	- 19.2	26.7	10 14 . .	. .		. .
	September 28, U.												
2	Sun I, N.	II	19 0.75	+ 0.18	-30.37	319 10 14.10	30.475	- 48.6	25.2	12 18 30.56	+64.23	- 1 51 19.2	. .
3	Sun II, S.	II	21 9.21	+ 0.18	-30.37	318 38 7.98	30.720	- 49.6	25.2	12 20 39.02	-64.23	- 2 23 18.3	. .
4	Venus I, C.	II	34 14.21	+ 0.16	-30.36	318 45 57.20	29.609	- 49.3	25.1	12 33 44.01	+ 0.33	- 2 16 0.8	. .
5	α Ursæ Minoris s. p.	II	24 2.83	+ 2.68	[-32.78]	52 13 58.36	28.632	+ 1 12.6	[23.1]	1 23 . .	. .		. .
6	α Bootis	II	11 35.31	+ 0.08	-30.35	340 44 2.18	29.119	- 19.5	24.4	14 11 . .	. .		. .
7	ϵ Bootis	II	41 6.48	+ 0.08	-30.34	348 32 0.40	28.011	- 11.3	24.0	14 40 . .	. .		. .
8	α Coronæ Borealis	II				348 3 57.42	30.959	- 11.8	23.4	15 30 . .	. .		. .
9	α Serpentis	II	39 50.17	+ 0.06	-30.32	327 46 2.98	30.110	- 35.2	24.8	15 39 . .	. .		. .
10	β Ceti	II	39 6.17	+ 0.10	-30.50	302 30 0.60	31.031	- 1 29.9	[25.6]	0 38 . .	. .		. .
11	α Ursæ Minoris	II	24 5.05	+ 1.32	[-33.49]	49 45 55.08	30.688	+ 1 8.2	[26.6]	1 23 . .	. .		. .
12	β Arietis	II	49 38.87	+ 0.11	-30.63	341 20 1.30	31.145	- 19.4	[25.9]	1 49 . .	. .		. .
	September 29, B.												
13	ϵ Hydræ	II	41 59.19	+ 0.24	-30.98	327 49 59.42	27.478	- 36.8	24.4	8 41 . .	. .		. .
14	α Hydræ	II	23 10.46	+ 0.31	-30.97	312 50 5.15	26.970	- 1 2.9	25.0	9 22 . .	. .		. .
15	Moon II	II	27 32.21	+ 0.23	-31.03	331 0 . .	. .	. .	. .	9 27 1.41	-62.02		. .
16	ϵ Leonis	II	40 40.72	+ 0.17	-31.05	345 16 3.02	28.426	- 15.3	24.4	9 40 . .	. .		. .
17	μ Leonis	II	47 34.82	+ 0.16	-31.12	347 30 5.62	29.446	- 12.9	23.0	9 47 . .	. .		. .
	September 30, B.												
18	α^2 Capricorni	II	13 2.11	+ 0.30	-31.18	308 10 12.60	31.651	- 1 14.7	24.8	20 12 . .	. .		. .
19	π Capricorni	II	22 7.58	+ 0.32	-31.13	302 30 14.62	29.910	- 1 32.2	26.2	20 21 . .	. .		. .
20	B. D. -5°, 5424	7	53 4.17	+ 0.27	-31.16	315 42 8.70	32.500	- 57.5	25.0	20 52 33.28	- 4.15	- 5 18 35.0	-21.7
21	B. D. -4°, 5365	8	3 11.73	+ 0.27	-31.16	316 16 12.28	32.238	- 56.4	25.0	21 2 40.84	- 4.18	- 4 44 37.8	-22.6
22	B. D. -4°, 5366	6	3 25.60	+ 0.27	-31.16	316 16 12.28	27.630	- 56.4	25.0	21 2 54.71	- 4.18	- 4 41 55.4	-22.6
23	γ Pegasi	II	17 59.75	+ 0.18	-31.12	340 24 11.15	29.870	- 21.0	24.3	21 17 . .	. .		. .
24	β Aquarii	II	26 49.75	+ 0.28	-31.19	315 2 12.15	28.308	- 59.1	24.7	21 26 . .	. .		. .
	October 1, U.												
25	α Leonis	II	3 33.85	+ 0.32	-32.05	333 30 5.12	27.450	- 29.4	25.1	10 3 . .	. .		. .
26	γ^1 Leonis	II	14 58.68	+ 0.26	-32.13	341 22 6.95	30.092	- 19.9	24.0	10 14 . .	. .		. .
	October 2, U.												
27	Sun I, N.	II	33 30.70	+ 0.41	-32.09	317 38 10.02	28.130	- 53.2	23.6	12 32 59.02	+64.56	- 3 24 33.0	. .
28	Sun II, S.	IO	35 39.83	+ 0.41	-32.09	317 6 11.58	27.798	- 54.2	23.6	12 35 8.15	-64.57	- 3 56 41.0	. .
29	Venus I, C.	II	52 32.99	+ 0.41	-32.09	316 44 1.58	30.772	- 54.8	23.6	12 52 1.31	+ 0.33	- 4 17 27.3	. .
30	α Ursæ Minoris s. p.	IO	23 52.27	+16.67	[-35.26]	52 13 59.18	28.458	+ 1 15.2	[22.9]	1 23 . .	. .		. .
31	α Bootis	II	11 36.94	+ 0.24	-32.16	340 44 6.78	28.934	- 20.2	23.6	14 11 . .	. .		. .
32	ρ Bootis	II	28 2.07	+ 0.16	-32.08	351 50 2.85	29.586	- 8.3	22.8	14 27 . .	. .		. .
33	α Coronæ Borealis	II	30 58.23	+ 0.19	-32.04	348 4 8.45	30.535	- 12.2	22.5	15 30 . .	. .		. .
34	ϵ Piscium	II	58 18.67	+ 0.32	-32.31	328 24 10.35	27.160	- 36.7	[24.4]	0 57 . .	. .		. .
35	β Andromedæ	II	4 42.00	+ 0.13	-32.47	356 6 5.08	31.008	- 4.0	[24.3]	1 4 . .	. .		. .
36	α Ursæ Minoris	II	24 21.91	+16.99	[-31.12]	49 46 1.44	30.423	+ 1 10.7	[26.4]	1 23 . .	. .		. .
37	σ Piscium	II	40 40.24	+ 0.31	-32.33	329 41 58.08	27.914	- 34.9	[26.3]	1 40 . .	. .		. .
	October 6, B.												
38	ϵ Leonis	II	40 45.07	+ 0.08	-35.13	345 16 7.12	28.192	- 15.0	23.2	9 40 . .	. .		. .
39	α Leonis	II	3 37.18	+ 0.14	-35.10	333 30 9.82	27.161	- 28.5	23.1	10 3 . .	. .		. .
40	γ^1 Leonis	II	15 1.93	+ 0.10	-35.11	341 22 7.18	29.980	- 19.2	22.7	10 14 . .	. .		. .
41	ρ Leonis	II	28 7.06	+ 0.15	-35.11	330 50 5.70	31.480	- 31.8	22.9	10 27 . .	. .		. .
	October 7, B.												
42	Sun I, S.	II	51 47.13	+ 0.14	-35.12	315 10 9.60	28.675	- 56.2	22.7	12 51 12.15	+64.66	- 5 52 20.0	. .
43	Sun II, N.	II	53 56.45	+ 0.14	-35.12	315 42 8.92	28.838	- 55.2	22.7	12 53 21.47	-64.66	- 5 20 14.1	. .
Time. Barom. Att. Ther. Ex. Ther. Telescope micrometer bisections are made at I, II, VI, VII, except as noted below. No. Parallax. Semi-diam. Corr. for Def. Ill. Sum.													
d	h	m	in.	°	°								
27	10	10	30.05	59.5	58.9	2, 14, 21, 27, 42.	Bisections at I, II.	2	+	5.7	-15 59.5	. .	-15 53.8
28	12	21	30.02	67.0	66.1	3, 20, 22, 28, 43.	Bisections at VI, VII.	3	+	5.8	+15 59.5	. .	+16 5.3
	13	35	30.00	69.8	68.3	5, 11, 30, 36.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	4	+	3.3	. .	0.0	+ 3.3
	14	17	30.00	70.8	69.0	22.	Z. D. thread A used.	27	+	5.9	-16 3.9	. .	-15 58.0
	15	24	29.98	71.2	69.1	33, 34.	Bisections at II, VI, VII.	28	+	6.0	+16 4.0	. .	+16 10.0
29	8	30	29.92	55.2	53.9			29	+	3.5	. .	0.0	+ 3.5
	1	37	29.95	47.8	46.3			42	+	6.2	+16 3.0	. .	+16 9.2
30	9	50	29.99	50.4	49.1			43	+	6.2	-16 2.9	. .	-15 56.7
	20	10	30.10	48.8	46.1								
	21	11	30.12	46.0	43.9								
	21	29	30.13	45.0	43.1								
	1	10	30.27	47.8	46.5								
2	12	35	30.27	55.0	52.7								
	13	35	30.24	56.5	54.6								
	14	34	30.22	58.0	55.6								
	0	54	30.23	44.0	41.8								
	1	33	30.23	42.8	41.0								
6	9	43	29.84	55.0	54.7	10 to 12.	Change of temperature, etc., derived from the Met. Journal.						
	10	32	29.845	57.3	56.5								
7	12	53	29.865	62.8	61.0								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Mercury C. C. . . .	11	11 42.46	+ 0.14	-35.13	314 12 6.48	24.775	-	58.2	22.7	13 11 7.47	+ 0.00	- 6 52 15.8
2	Venus I, C.	6	15 36.32	+ 0.13	-35.13	314 12 6.48	34.999	-	58.0	22.7	13 15 1.30	+ 0.43	- 6 47 24.3
3	Venus II.	5	15 37.16	+ 0.13	-35.13						13 15 2.16	- 0.43	
4	α Ursæ Minoris S. P. .	7	24 1.11	+ 0.15	[-36.00]	52 14 6.20	28.198	+ I	13.2	[22.3]	1 23 . . .		
5	η Bootis	11	50 29.48	+ 0.05	-35.16	339 56 6.88	28.349	-	20.6	22.9	13 49 . . .		
6	α Bootis	9	11 40.06	+ 0.05	-35.11	340 44 9.20	28.772	-	19.7	22.7	14 11 . . .		
7	ε Bootis	11	41 11.28	+ 0.02	-35.16	348 32 6.35	27.684	-	11.4	22.1	14 40 . . .		
8	α ² Libræ	9	45 54.79	+ 0.14	-35.09	305 26 2.70	27.210	- I	19.2	21.8	14 45 . . .		
9	Moon I.	9	2 53.55	+ 0.15	-35.13	300 2 . . .					15 2 18.57	+ 68.18	
October 8, Ia.													
10	δ Leonis.	11	9 22.92	+ 0.08	-36.38	342 5 55.50	29.230	-	18.3	22.9	11 8 . . .		
11	β Leonis.	11	44 32.95	+ 0.10	-36.37	336 9 59.40	28.429	-	25.0	21.3	11 43 . . .		
October 9, Ia.													
12	Sun I, N.	10	59 8.23	+ 0.15	-36.41	314 56 10.78	29.265	-	56.3	22.8	12 58 31.97	+ 64.85	- 6 6 2.2
13	Sun II, S.	10	1 17.93	+ 0.15	-36.41	314 24 9.35	29.015	-	57.4	22.8	13 0 41.07	+ 64.85	- 6 38 10.9
14	α Virginis	7	20 30.53	+ 0.15	[-36.21]	310 24 10.65	29.120	- I	5.9	23.0	13 19 . . .		
15	Mercury C. C. . . .	11	23 52.86	+ 0.14	-36.42	312 42 7.25	30.365	- I	0.8	22.8	13 23 16.58	0.00	- 8 19 39.4
16	α Ursæ Minoris S. P. .	7	24 3.96	+ 7.61	[-35.62]	52 14 . . .					1 23 . . .		
17	Venus I, C.	5	24 53.21	+ 0.14	-36.42	313 16 7.05	28.555	-	59.6	22.8	13 24 16.93	+ 0.50	- 7 46 28.4
18	Venus II.	5	24 54.20	+ 0.14	-36.42						13 24 17.92	- 0.49	
19	ε Bootis	11	41 12.55	+ 0.03	-36.46	348 32 1.25	27.911	-	11.3	23.9	14 40 . . .		
20	ε Serpentis	11	46 25.51	+ 0.08	-36.45	325 48 0.60	30.835	-	38.0	22.3	15 45 . . .		
21	η Herculis	11	40 3.77	0.00	-36.53	0 8 0.42	29.849	+	0.2	23.9	16 39 . . .		
22	κ Ophiuchi	11	53 32.08	+ 0.05	-36.49	330 34 3.65	28.688	-	31.6	22.5	16 52 . . .		
23	B. D.—5°, 5453 . . .	10	0 10.37	+ 0.04	-36.48	316 4 0.90	29.278	-	54.5	25.6	20 59 33.93	- 4.03	- 4 53 20.7
24	β Aquarii	11	26 55.17	+ 0.04	-36.47	314 59 59.12	32.898	-	56.8	24.8	21 26 . . .		
25	ε Pegasi	11	39 54.02	+ 0.01	-36.50	330 26 6.48	31.266	-	32.2	26.6	21 39 . . .		
26	μ Capricorni	11	48 28.28	+ 0.05	-36.52	307 0 4.08	31.881	- I	15.4	25.5	21 47 . . .		
27	α Aquarii	11	1 16.46	+ 0.03	-36.44	320 13 53.85	29.325	-	47.4	25.6	22 0 . . .		
28	ε Piscium	11	58 23.21	+ 0.05	-36.53	328 24 2.75	27.404	-	35.3	[24.8]	0 57 . . .		
29	β Andromedæ	11	4 46.30	+ 0.03	-36.55	356 5 58.15	31.290	-	3.9	[24.1]	1 4 . . .		
30	α Ursæ Minoris . . .	6	24 19.90	- 7.51	[-36.29]	49 46 9.28	30.378	+ I	7.9	[26.3]	1 23 . . .		
October 9, Br.													
31	α Leonis.	11	3 39.19	- 0.04	-36.86	333 29 56.95	27.644	-	28.5	24.4	10 3 . . .		
32	γ ¹ Leonis.	11	15 3.86	- 0.03	-36.85	341 22 2.10	30.185	-	19.2	23.9	10 14 . . .		
33	δ Leonis.	8	9 23.50	+ 0.01	-36.87	342 6 3.22	28.970	-	18.3	23.4	11 8 . . .		
34	β Leonis.	11	44 33.50	+ 0.02	-36.83	336 10 6.72	28.214	-	25.0	22.7	11 43 . . .		
October 10, Br.													
35	Sun I, S.	11	2 49.48	+ 0.11	-36.91	314 2 7.15	28.618	-	58.0	23.3	13 2 12.68	+ 64.90	- 7 0 55.0
36	Sun II, N.	11	4 59.28	+ 0.11	-36.91	314 34 10.82	27.620	-	57.0	23.3	13 4 22.48	+ 64.90	- 6 28 49.3
37	α Ursæ Minoris S. P. .	5	24 12.20	+ 4.26	[-40.23]	52 14 . . .					1 23 . . .		
38	Mercury C. C. . . .	11	29 55.43	+ 0.10	-36.93	312 0 0.85	28.690	- I	2.2	23.3	13 29 18.60	0.00	- 9 2 34.4
39	α Coronæ Borealis . .	11	31 3.20	+ 0.03	-36.94	348 5 58.88	26.596	-	11.8	22.1	15 30 . . .		
40	α Serpentis	11	39 56.71	+ 0.03	-36.97	327 48 0.15	25.888	-	35.2	22.4	15 39 . . .		
41	δ Ophiuchi	11	9 42.75	+ 0.02	-37.11	317 36 1.62	29.248	-	51.0	22.9	16 9 . . .		
42	μ Herculis	11	43 9.32	+ 0.01	-36.97	348 47 58.85	30.292	-	11.0	23.3	17 42 . . .		
43	Moon I	11	0 27.16	- 0.06	-37.05	297 26 . . .					17 59 50.05	+ 71.69	
44	η Serpentis	11	16 45.21	- 0.04	-37.06	318 7 59.08	26.713	-	50.4	24.2	18 16 . . .		
October 12, Ia.													
45	β Aquilæ	11	51 2.10	- 0.09	-37.48	327 12 3.48	28.059	-	36.1	23.6	19 50 . . .		

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	"	' "
7 13 41	29.86	63.3	61.7	4.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	1	+	4.4	0.0	+ 4.4
14 13	29.86	64.2	61.9	8, 13, 17, 36.	Bisections at VI, VII.	2	+	3.7	0.0	+ 3.7
15 7	29.86	65.0	62.6	10.	Bisections at II, VI, VII.	12	+	6.2	-16 4.3	-15 58.1
8 11 12	29.82	61.6	59.7	12, 15, 23, 35.	Bisections at I, II.	13	+	6.3	+16 4.3	+16 10.6
9 11 47	29.83	63.6	60.6	14, 33.	Bisections at I, II, VI.	15	+	4.5	0.0	+ 4.5
13 1	29.82	66.5	63.8	23.	Z. D. thread A used.	17	+	3.8	0.0	+ 3.8
14 47	29.815	69.0	66.5	30.	Bisections at C ₄ , C ₅ , D ₁ , D ₂ , D ₃ .	35	+	6.3	+16 2.9	+16 9.2
16 2	29.82	68.2	65.8	44.	Bisections at I, VI, VII.	36	+	6.3	-16 2.8	-15 56.5
16 43	29.815	67.4	65.7			38	+	4.7	0.0	+ 4.7
17 3	29.82	67.0	65.7							
21 29	29.87	60.0	58.9							
21 55	29.88	59.2	58.3							
0 55	29.90	56.6	55.8							
1 35	29.91	56.8	56.0							
9 58	30.02	59.5	57.9							
10 22	30.025	61.2	59.4							
11 14	30.04	65.5	63.7							
11 49	30.04	67.8	65.2							
10 13 4	30.04	69.4	67.9							
13 44	30.02	71.0	68.9							
15 26	30.02	73.5	70.9							
15 46	30.02	73.5	70.8							
16 14	30.01	73.0	70.3							
17 44	30.01	70.8	68.9							
18 20	30.015	68.9	67.1							
12 19 40	29.99	70.8	68.7	23.	Bright wire illumination.					

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / "	rev.	/' "	''	h m s	s	° / "	''
1	Moon I, S.	II	1 16.61	- 0.24	-37.45	302 32 10.72	29.508	- 1 27.6	23.7	20 0 38.92	+70.53	- 18 30 27.1	..
2	α^2 Capricorni	II	13 8.63	- 0.20	-37.40	308 12 4.88	27.536	- 1 11.2	23.7	20 12 . . .	..	..	..
3	π Capricorni	II	22 14.17	- 0.24	-37.36	302 30 6.10	29.934	- 1 27.8	23.2	20 21 . . .	..	..	..
4	ϵ Delphini	II	29 4.45	- 0.07	-37.57	332 0 7.02	28.602	- 29.8	24.3	20 28 . . .	..	..	..
	October 12, Ei.												
5	α Leonis	II	3 39.89	- 0.05	-37.48	333 29 58.85	27.530	- 28.1	23.8	10 3 . . .	..	..	..
6	γ^1 Leonis	II	15 4.64	- 0.03	-37.56	341 21 58.22	30.289	- 19.0	23.8	10 14 . . .	..	..	..
7	δ Leonis	II	9 24.24	- 0.03	-37.51	342 5 58.70	29.070	- 18.1	22.5	11 8 . . .	..	..	..
8	β Leonis	IO	44 34.23	- 0.06	-37.44	336 10 0.65	28.391	- 24.7	22.4	11 43 . . .	..	..	..
	October 13, Ei.												
9	Sun I, S.	IO	13 54.77	- 0.16	-37.47	312 54 3.78	28.248	- 59.6	22.4	13 13 17.14	+65.19	- 8 8 41.1	..
10	Sun II, N.	II	16 5.15	- 0.16	-37.47	313 26 4.30	28.515	- 58.5	22.4	13 15 27.52	-65.19	- 7 36 30.9	..
11	α Ursæ Minoris s. p.	8	24 24.54	-10.26	[-37.65]	52 13 57.55	28.475	+ 1 11.8	[22.5]	1 23 . . .	..	..	..
12	Venus I, C.	8	43 34.46	- 0.19	-37.46	311 20 2.35	28.675	- 1 3.0	22.4	13 42 56.81	+ 0.34	- 9 42 32.6	..
13	Mercury C, C.	5	47 54.33	- 0.20	-37.46	309 56 1.95	26.620	- 1 6.2	22.4	13 47 16.67	0.00	- 11 7 36.2	..
14	α Bootis	II	11 42.48	- 0.08	-37.41	340 44 1.38	28.962	- 19.3	21.6	14 11 . . .	..	..	..
15	ϵ Bootis	IO	41 13.60	- 0.04	-37.46	348 32 0.18	27.851	- 11.2	22.1	14 40 . . .	..	..	..
16	α Coronæ Borealis	II	31 3.82	- 0.06	-37.50	348 3 59.70	30.706	- 11.6	21.0	15 30 . . .	..	..	..
17	α Serpentis	II	39 57.34	- 0.18	-37.41	327 46 2.58	29.991	- 34.8	22.4	15 39 . . .	..	..	..
18	π Capricorni	II	22 14.30	- 0.36	-37.39	302 30 0.05	30.199	- 1 27.9	24.7	20 21 . . .	..	..	..
19	μ Aquarii	II	47 54.16	- 0.30	-37.43	311 41 57.85	27.080	- 1 3.1	23.9	20 47 . . .	..	..	..
20	Moon I, S.	II	59 40.92	- 0.33	-37.43	307 5 56.42	26.918	- 14.3	23.9	20 59 3.16	+69.52	- 13 57 42.1	..
21	β Aquarii	II	26 56.39	- 0.26	-37.46	315 1 57.50	28.696	- 56.2	24.1	21 26 . . .	..	..	..
22	ϵ Aquarii	II	33 4.46	- 0.28	-37.43	312 43 58.72	29.818	- 1 0.9	22.8	21 32 . . .	..	..	..
23	β Andromedæ	II	4 47.25	+ 0.01	[-37.52]	356 5 58.82	31.261	- 3.8	[23.3]	1 4 . . .	..	..	..
24	α Ursæ Minoris	9	24 2.39	+10.86	[-36.59]	49 45 58.05	30.729	+ 1 7.7	[24.6]	1 23 . . .	..	..	..
	October 13, B.												
25	γ^1 Leonis	II	15 4.51	- 0.02	-37.41	341 22 4.68	30.072	- 19.2	23.9	10 14 . . .	..	..	..
26	δ Leonis	..	..	..	..	342 6 0.28	29.068	- 18.4	23.9	11 8 . . .	..	..	..
27	β Leonis	IO	44 34.25	- 0.05	-37.45	336 10 0.82	28.344	- 25.1	21.1	11 43 . . .	..	..	..
	October 14, B.												
28	Sun I, S.	II	17 37.35	- 0.13	-37.39	312 31 57.58	27.702	- 1 1.4	22.1	13 16 59.83	+65.23	- 8 31 4.3	..
29	Sun II, N.	II	19 47.81	- 0.13	-37.39	313 3 58.28	28.080	- 1 0.3	22.1	13 19 10.29	-65.23	- 7 58 50.8	..
30	Venus I, C.	5	48 16.08	- 0.15	-37.38	310 52 2.35	27.809	- 1 5.0	22.1	13 47 38.55	+ 0.33	- 10 10 59.6	..
31	Venus II	6	48 16.74	- 0.15	-37.38	..	..	..	..	13 47 39.21	- 0.33	..	..
32	η Bootis	II	50 31.82	- 0.06	-37.39	339 56 . . .	..	..	..	13 49 . . .	..	..	..
33	Mercury C, C.	II	53 51.54	- 0.16	-37.38	309 14 1.22	30.112	- 1 8.8	22.1	13 53 14.00	0.00	- 11 47 58.0	..
34	α Bootis	II	11 42.44	- 0.06	-37.39	340 44 5.92	28.829	- 19.6	22.3	14 11 . . .	..	..	..
35	ϵ Bootis	IO	41 13.51	- 0.04	-37.38	348 32 2.58	27.719	- 11.4	20.8	14 40 . . .	..	..	..
36	α Coronæ Borealis	II	31 3.59	- 0.05	-37.29	348 4 0.00	30.665	- 11.8	20.2	15 30 . . .	..	..	..
37	α Serpentis	II	39 57.22	- 0.12	-37.35	327 46 6.55	29.876	- 35.3	22.6	15 39 . . .	..	..	..
38	α^2 Capricorni	II	13 8.57	- 0.25	-37.32	308 10 4.70	31.769	- 1 11.8	23.5	20 12 . . .	..	..	..
39	π Capricorni	II	22 14.05	- 0.28	-37.23	302 30 1.92	30.129	- 1 28.6	23.8	20 21 . . .	..	..	..
40	ϵ Delphini	II	29 4.22	- 0.13	-37.31	332 0 2.88	28.742	- 30.1	23.8	20 28 . . .	..	..	..
41	μ Capricorni	II	48 29.35	- 0.26	-37.34	307 0 4.38	31.814	- 1 15.2	24.3	21 47 . . .	..	..	..
42	Moon I, S.	II	56 39.90	- 0.23	-37.29	312 30 6.95	28.595	- 1 2.0	23.4	21 56 2.38	+68.71	- 8 32 31.0	..
43	η Aquarii	II	12 12.15	- 0.22	-37.33	312 44 5.45	32.282	- 1 1.4	21.4	22 11 . . .	..	..	..
	October 17, U.												
44	γ^1 Leonis	II	15 4.74	- 0.11	-37.46	341 22 1.25	30.191	- 18.8	25.1	10 14 . . .	..	..	..
45	δ Leonis	II	9 24.34	- 0.11	-37.44	342 6 4.62	28.881	- 17.9	24.1	11 8 . . .	..	..	..

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m in.	°	°	°				/' "	/' "	''	/' "
12 20 33	29.98	69.1	67.3	1, 42.	Bisections at II, III, IV, V, VI.	I	+49 43.1	+16 9.6	..	+65 52.7
9 59	30.04	65.5	65.8	9, 13, 28.	Bisections at I, II.	9	+ 6.5	+16 5.0	..	+16 11.5
11 3	30.05	69.2	69.0	10, 12, 26, 29, 33.	Bisections at VI, VII.	10	+ 6.4	-16 5.1	..	-15 58.7
13 16	30.04	75.0	74.3	11.	Bisections at C ₁ , C ₂ .	12	+ 3.9	..	0.0	+ 3.9
13 36	30.04	75.5	74.5	20.	Bisections at III, IV, V.	13	+ 4.8	..	0.0	+ 4.8
14 47	30.03	78.0	76.0	24.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	20	+47 24.4	+16 17.4	..	+63 41.8
15 44	30.02	77.5	76.5			28	+ 6.5	+16 6.7	..	+16 13.2
20 19	30.03	70.0	68.1			29	+ 6.4	-16 6.7	..	-16 0.3
21 6	30.03	68.0	66.5			30	+ 3.9	..	0.0	+ 3.9
21 38	30.04	67.0	66.4			33	+ 4.9	..	0.0	+ 4.9
1 1	30.04	62.0	60.4			42	+44 2.5	+16 23.2	..	+60 25.7
1 38	30.04	61.0	59.3							
10 17	30.14	62.8	60.9							
11 35	30.14	65.7	63.1							
13 19	30.13	69.8	67.5							
14 9	30.11	70.2	68.9							
15 4	30.11	73.6	70.5							
15 35	30.10	74.0	70.9							
20 8	30.10	68.0	65.5							
20 34	30.10	67.0	64.9							
21 44	30.09	64.8	62.9							
22 15	30.09	64.0	62.7							
17 10 30	29.785	67.2	67.2							
11 9	29.80	69.6	69.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
		m s	s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	β Leonis	11	44 34.37	- 0.14	-37.42	336 10 5.68	28.208	- 24.5	23.3	11 43 . .	. .		. .
2	α Ursæ Minoris s. p. October 18, U.	8	24 25.56	-10.66	[-38.02]	52 13 51.86	28.658	+ 1 11.5	[23.6]	1 23 . .	. .		. .
3	Sun I, N.	11	32 32.98	- 0.29	-37.40	311 33 56.78	31.800	- 1 2.2	23.2	13 31 55.29	+65.51	- 9 27 10.2	. .
4	Sun S.	11	32 32.98	- 0.29	-37.40	311 1 58.58	31.320	- 1 3.4	23.2		. .	- 9 59 22.4	. .
5	Venus C, C.	11	7 12.33	- 0.30	-37.39	309 0 4.02	28.868	- 1 8.0	23.0	14 6 34.64	0.00	- 12 2 31.6	. .
6	α Bootis	11	11 42.53	- 0.15	-37.39	340 44 0.20	29.015	- 19.3	23.0	14 11 . .	. .		. .
7	ϵ Piscium	5	58 24.17	- 0.17	-37.22	328 24 . .	. .	. .	. .	0 57 . .	. .		. .
8	β Andromedæ	11	4 47.12	0.00	-37.35	356 6 1.52	31.220	- 3.8	23.8	1 4 . .	. .		. .
9	α Ursæ Minoris	11	24 1.87	+12.02	[-36.94]	49 46 3.35	30.749	+ 1 6.6	[27.5]	1 23 . .	. .		. .
10	α Piscium	11	40 45.83	- 0.15	-37.29	329 42 7.95	27.530	- 32.9	26.7	1 40 . .	. .		. .
11	Moon II.	9	45 32.42	- 0.12	-37.32	335 42 . .	. .	. .	. .	1 44 54.98	-69.84		. .
12	β Arietis	11	49 46.05	- 0.09	-37.37	341 20 6.35	31.044	- 19.0	26.3	1 49 . .	. .		. .
13	α Arietis October 18, L.	11	2 11.33	- 0.08	-37.40	344 0 4.10	31.416	- 16.1	24.7	2 1 . .	. .		. .
14	ρ Leonis	11	28 9.77	- 0.11	-37.30	330 52 7.20	27.301	- 31.5	27.3	10 27 . .	. .		. .
15	δ Leonis	11	9 24.25	- 0.07	-37.36	342 5 59.22	29.165	- 18.2	26.8	11 8 . .	. .		. .
16	β Leonis	11	44 34.28	- 0.09	-37.36	336 10 0.20	28.452	- 24.8	24.7	11 43 . .	. .		. .
17	α Canum Venat.	11	51 57.22	0.00	-37.44	359 54 0.62	26.728	- 0.1	23.7	12 51 . .	. .		. .
18	α Ursæ Minoris s. p. October 19, L.	8	24 23.10	- 8.74	[-37.35]	52 13 56.20	28.475	+ 1 12.4	[24.0]	1 23 . .	. .		. .
19	Sun I, N.	10	36 18.10	- 0.20	-37.32	311 14 0.85	28.220	- 1 3.7	25.0	13 35 40.58	+65.76	- 9 48 51.5	. .
20	Sun II, S.	10	38 29.62	- 0.20	-37.32	310 42 0.52	27.698	- 1 4.9	25.0	13 37 52.10	-65.76	- 10 21 6.9	. .
21	η Bootis	11	50 31.87	- 0.09	-37.39	339 56 2.95	28.501	- 20.4	25.7	13 49 . .	. .		. .
22	Venus C, C.	11	11 58.33	- 0.23	-37.31	308 31 59.48	30.816	- 1 9.9	25.0	14 11 20.79	0.00	- 12 29 44.6	. .
23	Mercury C, C.	11	23 27.51	- 0.24	-37.31	306 4 1.98	28.036	- 1 16.4	25.0	14 22 49.96	+ 0.01	- 14 59 7.8	. .
24	ρ Bootis	11	28 7.40	- 0.04	-37.30	351 50 0.02	29.588	- 7.9	24.2	14 27 . .	. .		. .
25	ϵ Bootis	11	41 13.40	- 0.06	-37.26	348 31 59.98	27.899	- 11.3	24.5	14 40 . .	. .		. .
26	α Coronæ Borealis	11	31 3.53	- 0.07	-37.25	348 4 1.58	30.666	- 11.7	22.8	15 30 . .	. .		. .
27	B. D.—5°, 5429.	11	54 36.90	- 0.15	-37.16	315 48 . .	. .	. .	. .	20 53 59.59	- 3.86		. .
28	B. D.—5°, 5453.	5	0 11.19	- 0.14	-37.16	316 3 54.65	29.780	- 54.3	25.0	20 59 33.89	- 3.88	4 53 11.8	-22.0
29	β Aquarii	11	26 55.86	- 0.15	-37.12	315 1 57.18	28.762	- 56.5	25.5	21 26 . .	. .		. .
30	ξ Aquarii	11	33 4.01	- 0.16	-37.18	312 43 57.02	29.946	- 1 1.2	24.6	21 32 . .	. .		. .
31	α Ursæ Minoris	8	24 4.56	+ 8.48	[-35.95]	49 47 55.82	26.760	+ 1 7.6	[26.9]	1 23 . .	. .		. .
32	ξ^1 Ceti	11	8 20.74	- 0.05	-37.10	329 23 57.68	30.855	- 33.8	27.4	2 7 . .	. .		. .
33	ξ^2 Ceti	11	23 29.25	- 0.05	-37.07	329 1 52.05	31.095	- 34.2	25.0	2 22 . .	. .		. .
34	γ Ceti	11	38 45.89	- 0.07	-37.10	323 51 56.05	27.372	- 41.7	26.3	2 38 . .	. .		. .
35	Moon II, N.	11	44 39.66	- 0.01	-37.09	340 0 0.35	31.976	- 20.7	26.3	2 44 2.56	-70.57	+ 18 59 37.1	. .
36	α Ceti October 19, Ei.	11	57 41.82	- 0.06	-37.09	324 43 58.62	29.300	- 40.4	26.5	2 57 . .	. .		. .
37	α Canum Venat. October 20, Ei.	11	51 56.70	+ 0.13	-37.03	359 54 0.20	26.766	- 0.1	24.7	12 51 . .	. .		. .
38	Sun I, N.	11	40 3.66	0.00	-37.01	310 52 7.25	28.932	- 1 5.6	24.3	13 39 26.65	+65.73	- 10 10 26.0	. .
39	Sun II, S.	11	42 15.12	0.00	-37.01	310 20 3.35	28.742	- 1 6.9	24.3	13 41 38.11	-65.73	- 10 42 35.7	. .
40	Venus I, C.	7	16 44.65	0.00	-36.97	308 6 3.15	28.927	- 1 12.5	24.3	14 16 7.68	+ 0.34	- 12 56 36.5	. .
41	ϵ Bootis	11	41 12.96	+ 0.09	-36.97	348 32 3.55	27.762	- 11.5	24.2	14 40 . .	. .		. .
42	α Coronæ Borealis	11	31 3.05	+ 0.09	-36.93	348 4 7.60	30.473	- 12.0	23.2	15 30 . .	. .		. .
43	α Scorpii	11	23 52.63	- 0.02	-36.84	294 49 59.80	30.878	- 2 2.8	25.0	16 23 . .	. .		. .
44	α^1 Herculis	11	10 41.53	- 0.07	-36.76	335 32 3.60	29.488	- 26.0	24.6	17 10 . .	. .		. .
45	π Capricorni	11	22 13.13	+ 0.01	-36.70	302 30 2.72	30.270	- 1 30.9	26.7	20 21 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
17	11	48	29.80	71.0	69.9	2, 9, 18, 31.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	3	+	6.6	-16	59.4
18	13	34	29.785	72.8	71.9	3, 19, 28, 38.	Bisections at I, II.	4	+	6.7	+16	12.8
14	24	29.775	74.5	73.1	4, 20, 39, 43.	Bisections at VI, VII.	5	+	4.0	. .	0.0	+ 4.0
1	18	29.845	65.2	64.4	28.	Z. D. thread A used.	19	+	6.6	-16	7.7	-16 1.1
1	54	29.85	64.5	63.6	35.	Bisections at II, III, IV, V, VI.	20	+	6.7	+16	7.6	+16 14.3
10	30	29.98	64.4	64.1	40.	Bisections at I, VI, VII.	22	+	4.0	. .	0.0	+ 4.0
11	11	29.99	66.1	65.5	41.	Bisections at II, VI, VII.	23	+	5.2	. .	0.0	+ 5.2
11	46	30.00	69.2	68.3	42.	Bisections at I, II, VI.	35	+	19 47.0	-16	0.7	+ 3 46.3
13	38	30.00	71.6	69.9			38	+	6.7	-16	4.9	-15 58.2
14	15	30.00	72.8	70.9			39	+	6.7	+16	4.8	+16 11.5
14	35	30.00	73.0	71.2			40	+	4.1	. .	0.0	+ 4.1
15	34	30.00	74.9	72.3								
21	13	29.96	65.0	62.7								
21	36	29.96	64.8	62.7								
1	30	29.93	59.9	58.5								
2	12	29.91	59.8	57.6								
2	52	29.90	59.2	57.5								
12	45	30.01	65.0	62.9								
20	13	42	30.025	63.5	61.8							
14	19	30.03	62.5	60.8								
14	50	30.03	63.5	61.7								
15	47	30.05	62.0	59.1								
17	15	30.06	61.0	58.8								
20	18	30.11	56.0	52.3								
						27, 28. Bright wire illumination.						

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRAC- TION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
1	μ Aquarii	11	47 53.06	+ 0.03	-36.76	311 40 5.95	31.199	- I 5.3	27.4	20 47 . . .	.	.	.
2	B. D. -5°, 5453.	11	0 10.34	+ 0.04	-36.76	316 14 2.65	28.812	- 55.9	27.1	20 59 33.62	- 3.87	- 4 53 15.9	-22.0
3	B. D. -4°, 5365.	10	3 17.42	+ 0.05	-36.75	316 13 58.45	26.548	- 55.6	27.1	21 2 40.72	- 3.88	- 4 44 41.3	-22.2
4	β Aquarii	11	26 55.32	+ 0.06	-36.80	315 2 4.45	28.639	- 58.2	27.6	21 26 . . .	.	.	.
5	ε Aquarii	11	33 3.35	+ 0.06	-36.76	312 44 2.98	29.874	- I 3.1	26.6	21 32 . . .	.	.	.
6	ζ Arietis	11	9 47.52	+ 0.15	-36.83	341 42 . . .	.	.	.	3 9 . . .	.	.	.
7	ε Eridani	11	28 51.20	+ 0.23	-36.76	311 14 4.45	30.821	- I 7.5	26.4	3 28 . . .	.	.	.
8	Moon II, N.	11	44 33.47	+ 0.16	-36.79	342 48 5.02	27.389	- 18.3	25.6	3 43 56.84	-70.83	+ 21 45 34.1	.
9	ζ Persei	11	48 29.15	+ 0.13	-36.83	352 36 3.50	30.625	- 7.6	26.3	3 47 . . .	.	.	.
10	γ Tauri	11	14 44.17	+ 0.18	-36.74	336 24 5.98	31.108	- 25.9	24.0	4 14 . . .	.	.	.
11	ε Tauri	11	23 24.73	+ 0.17	-36.79	339 58 7.45	31.674	- 21.6	25.9	4 22 . . .	.	.	.
October 20, B.													
12	δ Leonis	11	9 23.32	+ 0.21	-36.67	342 6 4.48	28.960	- 19.1	25.7	11 8 . . .	.	.	.
13	β Leonis	11	44 33.27	+ 0.24	-36.65	336 10 5.10	28.312	- 26.1	24.7	11 43 . . .	.	.	.
14	γ Corvi	6	11 15.20	+ 0.41	-36.67	304 4 6.62	28.365	- I 27.2	25.2	12 10 . . .	.	.	.
15	α Canum Venat	11	51 56.45	+ 0.08	-36.72	359 54 8.62	26.452	- 0.1	24.5	12 51 . . .	.	.	.
October 21, B.													
16	Sun I, S.	11	43 49.56	+ 0.36	-36.62	309 57 57.45	30.235	- I 10.0	24.6	13 43 13.30	+65.89	- 11 4 3.3	.
17	Sun II, N.	11	46 1.34	+ 0.36	-36.62	310 29 59.20	30.545	- I 8.7	24.6	13 45 25.08	-65.89	- 10 31 50.5	.
18	α Bootis	8	11 41.28	+ 0.20	-36.49	340 44 6.52	28.845	- 20.5	24.0	14 11 . . .	.	.	.
19	ε Bootis	11	41 12.53	+ 0.15	-36.60	348 32 4.25	27.745	- 11.9	24.3	14 40 . . .	.	.	.
20	α Coronæ Borealis	11	31 2.61	+ 0.16	-36.57	348 4 6.25	30.530	- 12.3	23.4	15 30 . . .	.	.	.
21	α Serpentis	11	39 56.08	+ 0.26	-36.64	327 46 8.42	29.922	- 36.9	24.9	15 39 . . .	.	.	.
22	ε Tauri	11	23 24.28	+ 0.37	-36.52	339 58 7.60	31.681	- 21.9	26.0	4 22 . . .	.	.	.
23	α Tauri	11	30 48.60	+ 0.39	-36.60	337 20 10.48	29.531	- 25.1	25.4	4 30 . . .	.	.	.
24	Moon II, N.	11	44 14.43	+ 0.35	-36.56	344 6 11.92	31.402	- 17.1	25.4	4 43 38.22	-70.41	+ 23 5 36.8	.
25	ι Aurigæ	11	51 6.74	+ 0.26	-36.57	354 2 5.65	28.799	- 6.3	25.0	4 50 . . .	.	.	.
26	ι Orionis	11	59 28.82	+ 0.39	-36.57	336 18 13.20	28.191	- 26.4	25.4	4 58 . . .	.	.	.
October 22, S.													
27	ι Orionis	11	59 28.68	+ 0.36	-36.37	336 18 2.98	28.530	- 26.0	25.2	4 58 . . .	.	.	.
28	β Tauri	10	20 35.80	+ 0.27	-36.42	349 32 0.28	31.086	- 10.9	25.4	5 19 . . .	.	.	.
29	Moon II, N.	11	42 30.92	+ 0.32	-36.35	344 2 3.08	29.915	- 16.9	25.2	5 41 54.89	-69.27	+ 23 0 46.0	.
30	α Orionis	11	50 22.48	+ 0.41	-36.26	328 26 7.60	27.520	- 36.4	25.0	5 49 . . .	.	.	.
31	μ Geminorum	11	17 31.79	+ 0.31	-36.34	343 36 6.08	27.975	- 17.4	25.0	6 16 . . .	.	.	.
October 22, Ia.													
32	α Ursæ Minoris s. P.	8	23 58.92	+16.17	[-37.53]	52 14 11.22	27.845	+ I 14.6	[24.8]	1 23 . . .	.	.	.
October 23, Ia.													
33	Sun I, N.	11	51 24.59	+ 0.43	-36.36	309 48 0.75	29.792	- I 8.9	23.7	13 50 48.66	+65.95	- 11 14 10.6	.
34	Sun II, S.	11	53 36.48	+ 0.43	-36.35	309 15 58.80	29.425	- I 10.2	23.7	13 53 0.56	-65.95	- 11 46 23.5	.
35	α Bootis	11	11 41.14	+ 0.23	-36.37	340 44 9.10	28.696	- 20.0	23.2	14 11 . . .	.	.	.
36	Venus I, C.	5	31 11.56	+ 0.43	-36.33	306 46 5.88	31.601	- I 16.6	23.7	14 30 35.66	+ 0.35	- 14 15 21.2	.
37	Venus II	6	31 12.25	+ 0.43	-36.33	.	.	.	.	14 30 36.35	- 0.34	.	.
38	α Ophiuchi	11	30 52.96	+ 0.23	-36.15	333 40 10.82	28.671	- 28.2	24.0	17 30 . . .	.	.	.
39	μ Herculis	11	43 8.10	+ 0.16	-36.14	348 48 10.05	29.884	- 11.2	24.1	17 42 . . .	.	.	.
40	ι Aquilæ	11	30 21.67	+ 0.31	-36.18	312 42 9.88	32.340	- I 1.8	[27.2]	18 29 . . .	.	.	.
41	α Lyre	11	34 8.86	+ 0.09	-36.19	359 42 3.30	31.291	- 0.2	23.7	18 33 . . .	.	.	.
42	β Lyre	11	46 59.10	+ 0.12	-36.21	354 16 7.80	29.945	- 5.7	23.5	18 46 . . .	.	.	.
43	ε Piscium	11	58 22.45	+ 0.21	-35.88	328 24 10.02	27.160	- 35.7	[24.3]	0 57 . . .	.	.	.
44	β Andromedæ	11	4 45.67	+ 0.10	-35.98	356 6 9.88	31.020	- 3.9	[25.5]	1 4 . . .	.	.	.
45	α Ursæ Minoris	8	24 23.48	- 9.83	[-36.07]	49 46 11.48	30.409	+ I 8.7	[26.3]	1 23 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.			No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°					/ "	/ "	"	/ "
20 21 24	30.13	53.0	50.5	2.	Thread B used.		8	+16 51.6	-15 47.2	.	+ 1 4.4
21 38	30.14	52.5	50.1	3.	Thread A used.		16	+ 6.8	+16 6.3	.	+16 13.1
3 3	30.16	46.5	43.9	3, 17, 18, 30, 34, 43.	Bisections at VI, VII.		17	+ 6.7	-16 6.4	.	-15 59.7
3 53	30.16	45.0	43.0	8, 24, 29.	Bisections at II, III, IV, V, VI.		24	+15 20.3	-15 33.2	.	- 0 12.9
4 33	30.17	44.5	41.8	14.	Bisections at II, VI.		29	+15 11.6	-15 19.8	.	- 0 8.2
11 3	30.27	46.0	44.2	16, 33.	Bisections at I, II.		33	+ 6.8	-16 6.4	.	-15 59.6
11 48	30.28	48.6	46.2	32.	Bisections at C ₁ , C ₂ , C ₃ .		34	+ 6.9	+16 6.4	.	+16 13.3
12 50	30.27	49.8	47.4	45.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .		36	+ 4.2	.	0.0	+ 4.2
15 23	30.23	52.5	49.7								
15 42	30.22	52.6	49.9								
4 20	30.245	39.2	37.2								
5 3	30.245	39.0	36.8								
5 3	30.145	44.5	43.9								
6 24	30.14	44.7	43.9								
13 34	30.165	58.0	57.1								
13 53	30.16	59.5	58.0								
16 22	30.13	63.8	62.7								
17 33	30.125	64.0	62.7								
18 41	30.12	62.0	61.1								
1 7	30.12	54.4	53.7	2, 3.	Bright wire illumination.						
1 48	30.12	53.6	53.0								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINA- TION.	Miscellaneous correction.	
				Instrument.	Clock.									
	October 23, Br.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"	
1	β Leonis	10	44 32.76	+ 0.23	-36.05	336 10 4.85	28.257	- 25.1	24.4	11 43 . . .	. . .		. . .	
2	α Canum Venat.	10	51 55.84	+ 0.12	-36.11	359 54 6.72	26.472	- 0.1	24.0	12 51 . . .	. . .		. . .	
	October 24, Br.													
3	Sun I, N.	11	55 13.35	+ 0.22	-36.02	309 28 2.18	27.680	- 1 7.8	24.2	13 54 37.55	+66.07	- 11 35 8.8	. . .	
4	Sun II, S.	11	57 25.48	+ 0.22	-36.02	308 56 2.98	27.205	- 1 9.0	24.2	13 56 49.68	-66.06	- 12 7 21.8	. . .	
5	Venus I, C.	6	36 3.15	+ 0.20	-36.00	306 22 6.32	28.275	- 1 15.6	24.2	14 35 27.35	+ 0.30	- 14 40 55.0	. . .	
6	Venus II.	5	36 3.74	+ 0.20	-36.00				. . .	14 35 27.94	- 0.29		. . .	
7	α Coronæ Borealis	10	31 2.01	+ 0.13	-35.96	348 6 6.85	26.270	- 11.7	23.9	15 30 . . .	. . .		. . .	
8	β Herculis	11	26 30.25	+ 0.12	-35.97	342 44 5.00	29.511	- 17.3	24.6	16 25 . . .	. . .		. . .	
9	α Ophiuchi	11	30 52.83	+ 0.09	-35.89	333 40 2.45	28.885	- 27.6	[22.4]	17 30 . . .	. . .		. . .	
10	μ Herculis	11	43 7.86	+ 0.10	-35.85	348 48 4.68	29.994	- 11.0	[22.1]	17 42 . . .	. . .		. . .	
	October 25, U.													
11	Sun I, N.	11	59 2.53	+ 0.18	-35.74	309 6 0.65	30.495	- 1 10.6	23.5	13 58 26.97	+66.17	- 11 55 52.2	. . .	
12	Sun II, S.	8	1 14.86	+ 0.18	-35.74	308 34 1.60	29.945	- 1 12.0	23.5	14 0 39.30	-66.16	- 12 28 7.4	. . .	
13	α Bootis	9	11 40.69	+ 0.13	-35.81	340 44 9.92	28.688	- 20.0	24.2	14 11 . . .	. . .		. . .	
14	Venus I, C.	11	40 55.75	+ 0.16	-35.73	305 56 11.02	29.876	- 1 18.7	23.5	14 40 20.18	+ 0.35	- 15 6 7.1	. . .	
15	α Lyrae	11	34 8.25	+ 0.09	-35.62	359 42 3.00	31.261	- 0.2	22.8	18 33 . . .	. . .		. . .	
16	α^2 Geminorum	11	28 49.58	+ 0.06	-35.56	353 7 55.65	28.985	- 7.0	23.7	7 28 . . .	. . .		. . .	
17	α Canis Minoris	11	34 40.27	+ 0.09	-35.56	326 31 58.50	26.921	- 38.3	24.7	7 34 . . .	. . .		. . .	
18	β Geminorum	8	39 48.08	+ 0.07	-35.53	349 17 57.78	28.260	- 10.9	25.0	7 39 . . .	. . .		. . .	
19	φ Geminorum	11	47 58.89	+ 0.07	-35.56	348 4 1.35	26.858	- 12.2	22.2	7 47 . . .	. . .		. . .	
20	Moon II, S.	11	21 35.61	+ 0.08	-35.54	336 25 58.50	31.443	- 25.3	24.2	8 21 0.15	-63.97	+ 15 25 17.6	. . .	
21	ϵ Hydrae	11	42 4.60	+ 0.09	-35.51	327 50 4.82	27.220	- 36.5	25.4	8 41 . . .	. . .		. . .	
	October 26, I.													
22	Sun I, S.	11	2 52.75	+ 0.12	-35.65	308 14 1.52	28.712	- 1 11.2	23.1	14 2 17.22	+66.34	- 12 48 42.3	. . .	
23	Sun II, N.	10	5 5.44	+ 0.12	-35.65	308 45 57.62	29.292	- 1 9.9	23.1	14 4 29.91	-66.35	- 12 16 27.5	. . .	
24	α Bootis	11	11 40.57	+ 0.13	-35.68	340 44 10.68	28.598	- 19.6	23.0	14 11 . . .	. . .		. . .	
25	Venus I, C.	6	45 49.49	+ 0.09	-35.65	305 32 9.58	28.115	- 1 18.0	23.1	14 45 13.93	+ 0.39	- 15 30 57.6	. . .	
26	Venus II.	5	45 50.26	+ 0.09	-35.65				. . .	14 45 14.70	- 0.38		. . .	
27	α Ophiuchi	11	30 52.57	+ 0.05	-35.61	333 40 9.58	28.650	- 27.5	23.2	17 30 . . .	. . .		. . .	
28	Moon II.	11	9 23.94	+ 0.04	-35.58	332 44 . . .			. . .	9 8 48.40	-62.54		. . .	
29	α Leonis	11	3 38.25	+ 0.05	-35.57	333 30 5.98	27.246	- 28.7	24.4	10 3 . . .	. . .		. . .	
30	γ^1 Leonis	11	15 2.95	+ 0.05	-35.58	341 22 6.10	29.948	- 19.4	24.1	10 14 . . .	. . .		. . .	
	October 26, B.													
31	α Canum Venat.	11	51 55.20	+ 0.13	-35.44	359 54 2.78	26.535	- 0.1	22.8	12 51 . . .	. . .		. . .	
	October 27, B.													
32	Sun I, N.	11	6 43.62	+ 0.02	-35.43	308 25 57.98	28.560	- 1 10.2	22.2	14 6 8.21	+66.34	- 12 36 48.3	. . .	
33	Sun II, S.	11	8 56.30	+ 0.02	-35.43	307 53 55.72	28.080	- 1 11.5	22.2	14 8 20.89	-66.34	- 13 9 4.7	. . .	
34	α Bootis	11	11 40.38	+ 0.08	-35.44	340 44 0.50	28.880	- 19.5	21.2	14 11 . . .	. . .		. . .	
35	Venus I, C.	5	50 44.17	- 0.02	-35.42	305 6 4.85	31.595	- 1 18.7	21.8	14 50 8.73	+ 0.44	- 15 55 22.6	. . .	
36	Venus II.	5	50 45.04	- 0.02	-35.42				. . .	14 50 9.60	- 0.43		. . .	
37	α Coronæ Borealis	11	31 1.53	+ 0.08	-35.44	348 4 5.50	30.390	- 11.7	20.6	15 30 . . .	. . .		. . .	
38	α Herculis	11	10 40.03	+ 0.02	-35.43	335 32 7.78	29.121	- 25.1	20.0	17 10 . . .	. . .		. . .	
39	α Ophiuchi	11	30 52.35	+ 0.00	-35.35	333 40 5.65	28.732	- 27.3	21.8	17 30 . . .	. . .		. . .	
40	μ Herculis	11	43 7.36	+ 0.07	-35.37	348 48 1.42	30.061	- 10.9	21.3	17 42 . . .	. . .		. . .	
41	α Hydrae	11	23 15.85	+ 0.03	-35.35	312 50 0.95	26.959	- 1 1.8	23.5	9 22 . . .	. . .		. . .	
42	ϵ Leonis	11	40 45.94	+ 0.06	-35.40	345 15 58.92	28.352	- 15.0	23.3	9 40 . . .	. . .		. . .	
43	Moon II.	11	55 31.28	+ 0.04	-35.37	328 8 . . .			. . .	9 54 55.95	-61.62		. . .	
44	α Leonis	11	3 38.05	+ 0.05	-35.34	333 30 2.50	27.324	- 28.5	23.5	10 3 . . .	. . .		. . .	
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
	Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
	d h m	in.	°	°						' "	' "	"	' "	
23	11 47	30.22	65.0	65.9	1.	Bisections at I, II, VII.				3	+ 6.8	-16 6.4	. . .	-15 59.6
24	12 48	30.23	70.3	71.3	3, 11, 22, 32.	Bisections at I, II.				4	+ 6.9	+16 6.5	. . .	+16 13.4
	13 57	30.22	73.5	73.9	4, 12, 23, 33.	Bisections at VI, VII.				5	+ 4.3	. . .	0.0	+ 4.3
	14 53	30.215	75.0	75.0	16.	Bisections at II, VI, VII.				11	+ 6.9	-16 7.6	. . .	-16 0.7
	15 41	30.21	76.6	75.5	18.	Bisection at VII.				12	+ 6.9	+16 7.6	. . .	+16 14.5
	16 31	30.21	75.9	75.2	20.	Bisections at III, IV, V.				14	+ 4.3	. . .	0.0	+ 4.3
	17 32	30.21	75.0	74.3	30.	Bisections at I, II, VI.				20	+ 21 31.0	+14 51.9	. . .	+36 22.9
25	18 30	30.18	68.5	67.1						22	+ 7.0	+16 7.3	. . .	+16 14.3
	7 48	30.095	54.5	53.1						23	+ 6.9	-16 7.4	. . .	-16 0.5
	8 30	30.10	54.0	52.9						25	+ 4.3	. . .	0.0	+ 4.3
26	14 5	30.085	70.2	68.6						32	+ 6.9	-16 8.2	. . .	-16 1.3
	14 15	30.08	70.9	69.1						33	+ 7.0	+16 8.1	. . .	+16 15.1
	14 46	30.07	72.1	71.7						35	+ 4.3	. . .	0.0	+ 4.3
	17 34	30.04	74.7	72.9										
	10 5	29.97	55.8	54.2										
	10 19	29.97	56.0	55.0										
	12 50	29.99	66.5	64.3										
27	14 8	29.95	72.2	70.7										
	14 52	29.96	74.0	72.9										
	15 42	29.95	75.8	73.9										
	17 12	29.94	77.4	75.6										
	17 33	29.94	77.7	75.5										
	9 21	29.88	57.0	55.6										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	γ^1 Leonis November 1, L.	11	15 2.79	+ 0.06	-35.40	341 22 0.00	30.129	- 19.2	23.6	10 14 . .	. .		. .
2	β Leonis	11	44 32.18	+ 0.31	-35.37	336 10 3.75	28.319	- 25.6	26.4	11 43 . .	. .		. .
3	α Canum Venat.	11	51 55.28	+ 0.14	-35.43	359 53 55.50	26.846	- 0.1	26.2	12 51 . .	. .		. .
4	α Virginis	10	20 29.52	+ 0.45	-35.27	310 24 7.40	29.438	- 1 7.8	27.8	13 19 . .	. .		. .
5	α Ursæ Minoris s. p.	10	23 55.99	+15.28	[-35.01]	52 14 0.68	28.061	+ 1 14.7	[24.2]	1 23 . .	. .		. .
6	η Bootis	8	50 29.56	+ 0.29	-35.36	339 56 6.55	28.345	- 21.1	27.3	13 49 . .	. .		. .
7	α Bootis November 2, L.	11	11 40.21	+ 0.28	-35.43	340 43 57.58	29.114	- 20.1	25.8	14 11 . .	. .		. .
8	Sun I, N.	11	30 5.15	+ 0.46	-35.36	306 28 5.15	29.265	- 1 17.6	26.3	14 29 30.25	+67.17	- 14 34 32.5	. .
9	Sun II, S.	11	32 19.49	+ 0.46	-35.36	305 56 6.10	28.452	- 1 19.2	26.3	14 31 44.59	-67.17	- 15 6 55.5	. .
10	Venus I, C.	6	20 39.63	+ 0.46	-35.35	302 50 4.98	28.750	- 1 28.7	26.3	15 20 4.74	+ 0.47	- 18 12 58.0	. .
11	Venus II	5	20 40.56	+ 0.46	-35.35					15 20 5.67	- 0.46		. .
12	α Coronæ Borealis	11	31 1.29	+ 0.22	-35.36	348 4 3.08	30.635	- 12.1	26.2	15 30 . .	. .		. .
13	α Serpentis	11	39 54.59	+ 0.33	-35.24	327 46 3.22	30.030	- 36.1	25.1	15 39 . .	. .		. .
14	Mercury C, C.	11	45 39.09	+ 0.46	-35.35	299 2 3.68	28.962	- 1 42.8	26.3	15 45 4.20	+ 0.02	22 1 7.3	. .
15	α Scorpii	11	23 50.62	+ 0.47	-35.36	294 50 2.82	30.864	- 2 2.9	26.8	16 23 . .	. .		. .
16	β Herculis	11	26 29.50	+ 0.24	-35.42	342 44 2.65	29.574	- 17.8	25.1	16 25 . .	. .		. .
17	ϵ Piscium	11	58 21.67	+ 0.24	-35.12	328 24 4.50	27.441	- 36.1	[26.4]	0 57 . .	. .		. .
18	α Andromedæ	11	4 44.91	+ 0.09	-35.20	356 8 2.95	27.122	- 3.9	[25.8]	1 4 . .	. .		. .
19	α Ursæ Minoris November 3, U.	8	24 26.76	-13.14	[-37.40]	49 48 1.10	26.690	+ 1 9.6	[27.0]	1 23 . .	. .		. .
20	β Leonis	11	44 31.66	+ 0.38	-34.88	336 10 7.42	28.175	- 26.0	25.9	11 43 . .	. .		. .
21	α Canum Venat.	11	51 54.95	+ 0.04	-34.96	359 54 3.42	26.485	- 0.1	24.5	12 51 . .	. .		. .
22	α Ursæ Minoris s. p.	6	23 41.85	+29.73	[-35.47]	52 13 55.12	28.272	+ 1 15.2	[25.8]	1 23 . .	. .		. .
23	α Bootis November 4, U.	11	11 39.70	+ 0.30	-34.92	340 44 0.65	28.996	- 20.3	25.8	14 11 . .	. .		. .
24	Sun N.					305 49 54.80	30.880	- 1 20.1	25.5			- 15 11 58.5	. .
25	Sun II, S.	11	40 12.88	+ 0.64	-34.86	305 17 55.20	30.195	- 1 21.7	25.5	14 39 38.66	-67.29	- 15 44 18.4	. .
26	β Herculis	11	26 28.87	+ 0.25	-34.81	342 44 1.00	29.615	- 17.9	24.9	16 25 . .	. .		. .
27	α Ophiuchi	11	30 51.36	+ 0.32	-34.76	333 40 4.38	28.951	- 28.6	26.3	17 30 . .	. .		. .
28	β Andromedæ	11	4 44.38	+ 0.18	-34.76	356 5 57.60	31.555	- 4.0	[26.4]	1 4 . .	. .		. .
29	α Ursæ Minoris	11	24 35.00	-24.66	[-34.27]	49 45 55.68	31.154	+ 1 10.3	[28.9]	1 23 . .	. .		. .
30	β Arietis November 6, Br.	11	49 43.22	+ 0.35	-34.87	341 20 1.02	31.336	- 20.0	[27.1]	1 49 . .	. .		. .
31	γ Corvi	11	11 12.85	+ 0.86	-34.41	304 3 56.50	28.785	- 1 28.2	26.7	12 10 . .	. .		. .
32	α Canum Venat.	11	51 54.61	+ 0.09	-34.61	359 53 57.10	26.694	- 0.1	25.0	12 51 . .	. .		. .
33	α Ursæ Minoris s. p.	8	23 38.61	+32.13	[-35.08]	52 14 1.05	27.952	+ 1 16.6	[25.3]	1 23 . .	. .		. .
34	α Bootis November 7, Br.	3	11 39.24	+ 0.38	-34.51	340 44 1.45	28.931	- 20.6	25.2	14 11 . .	. .		. .
35	Sun I, S.	10	49 54.70	+ 0.78	-34.50	304 24 2.10	29.730	- 1 25.7	25.8	14 49 20.98	+67.74	- 16 38 29.8	. .
36	Sun II, N.	11	52 10.19	+ 0.78	-34.50	304 56 3.78	30.380	- 1 24.0	25.8	14 51 36.47	-67.75	- 16 6 7.2	. .
37	Venus I, C.	6	46 9.22	+ 0.81	-34.50	301 10 4.42	26.065	- 1 36.5	25.8	15 45 35.53	+ 0.33	- 19 54 22.4	. .
38	Venus II	5	46 9.86	+ 0.81	-34.50					15 45 36.17	- 0.31		. .
39	Mercury C, C.	11	14 18.55	+ 0.85	-34.50	297 22 4.25	26.724	- 1 52.5	25.8	16 13 44.90	+ 0.04	- 23 42 19.7	. .
40	α Ophiuchi	11	30 50.92	+ 0.44	-34.47	333 40 0.62	29.038	- 28.8	25.3	17 30 . .	. .		. .
41	α Lyrae	11	34 6.88	+ 0.10	-34.53	359 43 57.60	27.232	- 0.2	24.3	18 33 . .	. .		. .
42	Moon I	11	43 8.87	+ 0.83	-34.49	298 52 . .	. .	. .	. .	18 42 35.21	+71.49		. .
43	σ Sagittarii	11	49 37.30	+ 0.86	-34.53	294 38 2.00	29.592	- 2 6.4	27.4	18 49 . .	. .		. .
44	δ Aquilæ	11	21 1.18	+ 0.54	-34.43	323 58 4.45	27.245	- 42.5	27.0	19 20 . .	. .		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.	No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d	h	m	in.	°	°			'	''	''	'	''	
27	10	18	29.89	58.3	57.2	4, 43.	8	+	7.1	-16 11.4	.	-16 4.3	
1	11	46	29.92	51.1	49.9	5.	9	+	7.2	+16 11.5	.	+16 18.7	
	13	33	29.95	56.4	52.7	8, 24, 35.	10	+	4.4	. . .	- 0.1	+	4.3
2	14	13	29.95	57.0	53.7	9, 13, 25, 28, 36.	14	+	6.2	. . .	- 0.1	+	6.1
	15	22	29.94	59.0	55.7	19, 29, 33.	24	+	7.2	-16 9.9	.	-16 2.7	
	15	48	29.93	59.2	56.0	22.	25	+	7.3	+16 9.9	.	+16 17.2	
	16	28	29.93	60.2	56.3		35	+	7.4	+16 11.2	.	+16 18.6	
	0	53	29.99	48.5	46.1		36	+	7.3	-16 11.3	.	-16 4.0	
3	1	31	29.98	48.1	45.3		37	+	4.6	. . .	- 0.1	+	4.5
	12	0	29.86	43.1	42.3		39	+	6.6	. . .	- 0.1	+	6.5
	12	42	29.87	45.3	45.2								
	13	36	29.89	48.2	48.9								
4	14	40	29.88	51.2	49.5								
	16	30	29.87	55.5	52.1								
	17	36	29.88	54.5	51.9								
	1	12	29.92	41.2	39.6								
6	12	13	30.27	41.9	41.3								
	12	55	30.27	45.0	43.9								
	13	32	30.27	47.5	45.8								
	14	41	30.26	49.9	48.1								
7	14	52	30.25	50.2	48.2								
	15	49	30.225	52.5	50.9								
	16	44	30.21	53.9	51.9								
	17	34	30.205	55.0	52.4								
	18	26	30.20	53.8	52.0	28 to 30. Change of temperature, etc., derived from the Met. Journal.							
	18	53	30.195	53.0	51.8								
	19	23	30.195	52.2	51.0								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	November 8, U.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Lyrae	11	34 3.35	+ 0.16	-31.08	359 44 6.25	26.914	- 0.2	24.1	18 33 . .	. .		. .
2	ζ Aquilæ	11	1 19.24	+ 0.44	-31.12	334 44 4.22	30.860	- 27.3	24.5	19 0 . .	. .		. .
3	δ Aquilæ	11	20 57.91	+ 0.53	-31.16	323 57 56.50	27.508	- 42.2	26.9	19 20 . .	. .		. .
4	Moon I, S.	11	43 15.18	+ 0.75	-31.14	301 35 55.95	29.470	- 1 34.1	25.2	19 42 44.79	+70.46	- 19 26 53.8	. .
5	α^2 Capricorni	11	13 1.15	+ 0.67	-31.21	308 11 59.10	27.855	- 1 13.8	25.2	20 12 . .	. .		. .
	November 8, L.												
6	α Canur Venat.	11	51 51.72	+ 0.14	-31.73	359 54 6.15	26.320	- 0.1	24.0	12 51 . .	. .		. .
7	α Virginis	11	20 25.59	+ 0.78	-31.55	310 24 7.55	29.322	- 1 7.9	25.1	13 19 . .	. .		. .
8	α Ursæ Minoris S. P.	9	23 31.47	+31.26	[-27.68]	52 14 6.08	27.740	+ 1 14.8	[23.2]	1 23 . .	. .		. .
9	η Bootis	11	50 25.77	+ 0.43	-31.62	339 56 5.78	28.262	- 21.0	25.9	13 49 . .	. .		. .
10	α Bootis	11	11 36.37	+ 0.41	-31.65	340 44 9.78	28.630	- 20.0	26.0	14 11 . .	. .		. .
	November 9, L.												
11	Sun I, S.	11	57 53.98	+ 0.79	-31.62	303 49 43.62	28.768	- 1 25.0	25.6	14 57 23.15	+67.99	- 17 13 14.8	. .
12	Sun II, N.	11	0 9.96	+ 0.79	-31.62	304 21 43.60	29.498	- 1 23.3	25.6	14 59 39.13	-67.99	- 16 40 51.6	. .
13	α Coronæ Borealis	11	30 57.47	+ 0.30	-31.61	348 4 8.18	30.371	- 12.0	25.7	15 30 . .	. .		. .
14	α Serpentis	11	39 50.76	+ 0.52	-31.59	327 46 5.35	29.959	- 35.9	26.4	15 39 . .	. .		. .
15	δ Ophiuchi	10	9 36.52	+ 0.61	-31.61	317 36 10.92	29.024	- 52.0	26.6	16 9 . .	. .		. .
16	Mercury C, C.	11	25 22.96	+ 0.81	-31.60	296 50 6.68	26.985	- 1 52.0	25.6	16 24 52.17	+ 0.04	- 24 14 9.1	. .
17	α^1 Herculis	11	10 35.68	+ 0.42	-31.59	335 32 9.02	29.218	- 25.8	25.2	17 10 . .	. .		. .
18	α^2 Capricorni	4	13 1.54	+ 0.63	-31.58	308 12 7.72	27.589	- 1 12.5	27.5	20 12 . .	. .		. .
19	π Capricorni	11	22 7.05	+ 0.68	-31.62	302 30 5.88	30.110	- 1 29.4	27.4	20 21 . .	. .		. .
20	ϵ Delphini	11	28 57.46	+ 0.43	-31.54	332 0 8.60	28.644	- 30.4	27.0	20 28 . .	. .		. .
21	Moon I, S.	11	41 25.83	+ 0.67	-31.62	305 46 8.12	29.157	- 1 19.3	27.4	20 40 54.88	+69.18	- 15 16 35.1	. .
22	μ Aquarii	11	47 47.13	+ 0.60	-31.71	311 42 5.42	26.952	- 1 4.2	27.6	20 47 . .	. .		. .
23	ϵ Piscium	11	58 17.94	+ 0.54	-31.71	328 24 1.62	27.539	- 35.8	[26.7]	0 57 . .	. .		. .
24	β Andromedæ	11	4 41.29	+ 0.24	-31.74	356 7 59.62	27.305	- 3.9	[26.7]	1 4 . .	. .		. .
25	α Ursæ Minoris	11	24 30.00	-23.19	[-31.94]	49 47 58.78	26.922	+ 1 8.8	[27.9]	1 23 . .	. .		. .
	November 9, B.												
26	α Virginis	11	20 25.69	+ 0.69	-31.53	310 24 1.30	29.482	- 1 6.6	24.8	13 19 . .	. .		. .
27	α Ursæ Minoris S. P.	8	23 40.82	+23.47	[-29.62]	52 14 3.50	27.948	+ 1 13.4	[25.5]	1 23 . .	. .		. .
28	η Bootis	11	50 25.87	+ 0.41	-31.68	339 56 4.35	28.216	- 20.6	23.9	13 49 . .	. .		. .
29	α Bootis	11	11 36.42	+ 0.40	-31.68	340 44 5.30	28.716	- 19.7	24.6	14 11 . .	. .		. .
	November 10, B.												
30	Sun I, S.	11	1 56.48	+ 0.65	-31.63	303 31 55.92	30.548	- 1 24.4	23.7	15 1 25.50	+68.02	- 17 30 9.3	. .
31	Sun II, N.	11	4 12.51	+ 0.65	-31.63	304 3 55.62	31.162	- 1 22.7	23.7	15 3 41.53	-68.01	- 16 57 49.7	. .
32	α Coronæ Borealis	11	30 57.52	+ 0.31	-31.66	348 4 3.60	30.435	- 11.8	23.3	15 30 . .	. .		. .
33	Venus I, C.	5	1 39.70	+ 0.65	-31.61	300 14 11.42	29.156	- 1 35.9	23.7	16 1 8.74	+ 0.44	- 20 48 44.6	. .
34	Venus II	6	1 40.55	+ 0.65	-31.61				. .	16 1 9.59	- 0.41		. .
35	α Lyrae	11	34 3.75	+ 0.20	-31.55	359 44 1.78	27.021	- 0.2	22.9	18 33 . .	. .		. .
36	β Lyrae	11	46 54.00	+ 0.24	-31.56	354 16 0.88	30.118	- 5.6	23.7	18 46 . .	. .		. .
37	σ Sagittarii	11	49 34.57	+ 0.59	-31.56	294 38 1.50	29.334	- 2 1.9	23.9	18 49 . .	. .		. .
38	ζ Aquilæ	11	1 19.80	+ 0.36	-31.63	334 44 4.12	30.775	- 26.6	22.8	19 0 . .	. .		. .
39	β Pegasi	11	17 59.37	+ 0.31	-31.50	340 24 3.82	30.125	- 20.2	23.8	21 17 . .	. .		. .
40	β Aquarii	11	26 49.37	+ 0.45	-31.54	315 2 3.28	28.485	- 56.7	24.4	21 26 . .	. .		. .
41	ξ Aquarii	11	32 57.43	+ 0.47	-31.55	312 42 0.60	34.006	- 1 1.4	24.7	21 32 . .	. .		. .
42	Moon I, S.	11	37 37.40	+ 0.49	-31.54	310 48 3.55	31.814	- 1 5.7	24.4	21 37 6.35	+68.07	- 10 13 7.4	. .
43	μ Capricorni	11	48 22.45	+ 0.50	-31.56	307 0 2.75	31.836	- 1 15.2	24.7	21 47 . .	. .		. .
44	α Ursæ Minoris	8	24 17.12	-13.73	[-28.92]	49 47 59.00	26.952	+ 1 7.8	[27.6]	1 23 . .	. .		. .
45	σ Piscium	11	40 39.64	+ 0.37	-31.52	329 42 3.02	27.706	- 33.4	[26.2]	1 40 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.						No.	Parallax.	Semi-diam.	Corr. for. Def. Ill.	Sum.
d h m	in.	°	°							' "	' "	"	' "
8 18 42	30.04	54.7	53.8	4. Bisections at IV, V, VI, VII.					4	+49 55.2	+16 3.5	. .	+65 58.7
19 24	30.035	53.2	52.0	8. Bisections at C ₁ , C ₂ , C ₃ .					11	+ 7.4	+16 11.6	. .	+16 19.0
20 24	30.02	51.2	49.9	11, 30. Bisections at I, II.					12	+ 7.4	-16 11.6	. .	-16 4.2
12 55	29.90	48.0	48.1	12, 31. Bisections at VI, VII.					16	+ 6.9	. .	- 0.2	+ 6.7
13 31	29.91	53.0	52.1	17. Bisections at I, II, VII.					21	+47 44.3	+16 7.6	. .	+63 51.9
14 0	29.91	55.2	54.8	21, 42. Bisections at II, III, IV, V, VI.					30	+ 7.4	+16 9.8	. .	+16 17.2
15 0	29.89	56.4	57.1	25, 44. Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .					31	+ 7.4	-16 9.8	. .	-16 2.4
15 35	29.88	58.0	57.9	27. Bisections at C ₄ , C ₃ , C ₂ , C ₁ .					33	+ 4.7	. .	- 0.1	+ 4.6
16 13	29.87	59.0	57.9						42	+44 37.9	+16 10.5	. .	+60 48.4
16 32	29.86	59.5	58.6										
17 14	29.85	60.2	58.9										
20 16	29.82	57.0	55.8										
20 46	29.82	55.8	54.8										
1 2	29.81	48.5	47.4										
1 32	29.80	48.2	47.7										
13 8	29.78	56.0	57.2										
13 42	29.78	60.2	59.7										
14 31	29.77	62.0	61.9										
15 4	29.76	64.0	64.0										
15 33	29.75	64.0	63.7										
16 32	29.73	65.2	63.9										
18 36	29.715	63.7	61.9										
19 3	29.72	63.0	61.4										
21 13	29.72	58.3	57.1										
22 0	29.71	57.3	56.3										
1 11	29.715	54.3	53.4										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
1	β Arietis November 10, U.	11	m s 49 39.95	+ 0.30	-31.52	341 19 58.32	31.348	- 19.3	[25.0]	h m s 14 49 . .	s .	° ' "	° ' "
2	α Bootis November 11, U.	11	11 36.67	+ 0.36	-31.87	340 44 0.92	28.882	- 19.7	25.0	14 11 . .	.	.	.
3	Sun I, S.	11	5 59.86	+ 0.58	-31.83	303 15 58.35	29.120	- 1 24.5	24.5	15 5 28.61	+68.06	- 17 46 48.4	.
4	Sun II, N.	11	8 15.98	+ 0.58	-31.83	303 47 56.65	29.945	- 1 22.8	24.5	15 7 44.73	-68.06	- 17 14 24.2	.
5	Venus I, C.	11	6 53.65	+ 0.54	-31.83	299 57 59.72	27.542	- 1 35.5	24.5	16 6 22.36	+ 0.37	- 21 5 42.6	.
6	α Lyrae November 12, S.	11	34 3.98	+ 0.18	-31.78	359 44 2.55	27.026	- 0.2	24.0	18 33 . .	.	.	.
7	λ Aquarii	11	47 56.04	+ 0.67	-31.85	312 56 3.38	28.706	- 1 3.9	26.1	22 47 . .	.	.	.
8	α Pegasi	11	0 19.24	+ 0.44	-31.87	335 42 1.98	29.239	- 26.8	25.5	22 59 . .	.	.	.
9	Moon I, S.	11	26 36.74	+ 0.58	-31.85	322 14 2.25	36.017	- 46.0	26.2	23 26 5.47	+67.30	+ 1 15 9.0	.
10	ι Piscium	11	35 20.92	+ 0.54	-31.82	326 6 9.15	31.522	- 39.9	26.3	23 34 . .	.	.	.
11	ω Piscium November 12, La.	11	54 43.23	+ 0.52	-31.86	327 20 7.50	30.558	- 38.1	27.1	23 54 . .	.	.	.
12	α Canum Venat.	11	51 52.31	+ 0.17	-32.25	359 54 1.95	26.396	- 0.1	23.2	12 51 . .	.	.	.
13	α Ursæ Minoris S. P.	8	23 31.84	+ 35.04	[-33.44]	52 14 0.40	27.852	+ 1 17.4	[24.7]	1 23 . .	.	.	.
14	η Bootis	11	50 26.37	+ 0.51	-32.23	339 56 5.60	28.235	- 21.8	25.1	13 49 . .	.	.	.
15	α Bootis	11	11 36.88	+ 0.48	-32.17	340 44 2.65	28.790	- 20.8	23.6	14 11 . .	.	.	.
16	ρ Bootis November 13, La.	11	28 2.06	+ 0.31	-32.18	351 50 4.52	29.210	- 8.5	24.3	14 27 . .	.	.	.
17	Sun I, N.	11	14 8.38	+ 0.92	-32.21	303 16 0.55	29.248	- 1 29.9	24.3	15 13 37.09	+68.49	- 17 46 47.8	.
18	Sun II, S.	11	16 25.35	+ 0.92	-32.21	302 44 0.12	28.405	- 1 31.8	24.3	15 15 54.06	-68.48	- 18 19 13.4	.
19	Venus I, C.	6	17 23.77	+ 0.94	-32.22	299 24 12.38	31.328	- 1 44.2	24.3	16 16 52.49	+ 0.45	- 21 37 50.6	.
20	Venus II.	5	17 24.64	+ 0.94	-32.22	.	.	.	.	16 16 53.36	- 0.42	.	.
21	β Herculis	11	26 26.17	+ 0.43	-32.30	342 44 5.10	29.359	- 18.3	23.2	16 25 . .	.	.	.
22	Mercury C, C.	11	46 29.53	+ 0.97	-32.22	296 2 5.00	28.741	- 2 0.0	24.3	16 45 58.28	+ 0.06	25 1 27.5	.
23	α Herculis	11	10 36.20	+ 0.51	-32.21	335 32 6.12	29.314	- 26.8	24.6	17 10 . .	.	.	.
24	α Ophiuchi	11	30 48.51	+ 0.52	-32.17	333 40 11.62	28.641	- 29.1	25.5	17 30 . .	.	.	.
25	μ Herculis	11	43 3.70	+ 0.34	-32.19	348 48 4.95	29.972	- 11.6	24.6	17 42 . .	.	.	.
26	ω Piscium	11	54 43.44	+ 0.53	-32.09	327 20 1.75	30.740	- 38.3	26.3	23 54 . .	.	.	.
27	γ Pegasi	11	8 38.21	+ 0.44	-32.09	335 37 59.62	32.716	- 27.0	25.4	0 8 . .	.	.	.
28	Moon I, S.	11	21 13.03	+ 0.53	-32.05	328 0 0.28	31.767	- 37.3	25.9	0 20 41.51	+67.77	+ 6 59 14.9	.
29	β Ceti	11	39 6.95	+ 0.80	-32.01	302 30 2.10	30.920	- 1 33.5	26.2	0 38 . .	.	.	.
30	ϵ Piscium	11	58 18.26	+ 0.52	-32.02	328 24 4.22	27.448	- 36.8	25.8	0 57 . .	.	.	.
31	α Ursæ Minoris November 14, Br.	8	24 36.66	-29.64	[-33.76]	49 46 1.85	30.993	+ 1 10.8	[27.6]	1 23 . .	.	.	.
32	ϵ Piscium	11	58 18.57	+ 0.56	-32.37	328 24 5.38	27.394	- 36.3	26.0	0 57 . .	.	.	.
33	β Andromedæ	11	4 42.14	+ 0.18	-32.54	356 8 3.80	27.148	- 4.0	25.7	1 4 . .	.	.	.
34	Moon I, S.	11	17 1.21	+ 0.51	-32.44	333 18 8.52	27.300	- 29.6	26.0	1 16 29.28	+68.66	+ 12 15 23.5	.
35	η Piscium	11	26 41.61	+ 0.46	-32.46	335 52 6.70	28.502	- 26.4	25.1	1 26 . .	.	.	.
36	ω Piscium November 15, L.	11	40 40.36	+ 0.54	-32.41	329 42 7.85	27.609	- 34.5	27.2	1 40 . .	.	.	.
37	α Canum Venat.	11	51 52.75	+ 0.16	-32.61	359 54 2.98	26.354	- 0.1	24.0	12 51 . .	.	.	.
38	α Virginis	8	20 26.74	+ 0.66	-32.44	310 24 6.58	29.342	- 1 7.8	25.5	13 19 . .	.	.	.
39	α Ursa Minoris S. P.	4	23 40.22	+23.92	[-31.67]	52 14 5.90	27.705	+ 1 14.7	[24.0]	1 23 . .	.	.	.
40	ϵ Bootis November 16, L.	11	41 8.38	+ 0.30	-32.46	348 32 6.75	27.445	- 11.7	25.2	14 40 . .	.	.	.
41	Sun I, N.	11	26 28.53	+ 0.72	-32.50	302 30 5.68	28.682	- 1 30.1	24.8	15 25 56.75	+68.73	- 18 32 59.5	.
42	Sun II, S.	7	28 45.98	+ 0.72	-32.50	301 58 1.80	27.915	- 1 32.0	24.8	15 28 14.20	-68.72	- 19 5 26.4	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	' "	' "
10	1 52	29.71	53.8	53.1	3, 17, 38, 41.	Bisections at I, II.	3	+	7.5	+16 12.1	+16 19.6
	14 12	29.61	59.2	59.5			4	+	7.4	-16 12.0	-16 4.6
11	15 8	29.58	64.0	65.4	4, 15, 18, 40, 42.	Bisections at VI, VII.	5	+	4.7	.	+ 4.6
	16 12	29.57	69.3	68.9	9, 28, 34.	Bisections at III, IV, V.	9	+36	4.1	+16 12.1	+52 16.2
12	18 36	29.54	68.8	68.0	10.	Bisections at II, VI, VII.	17	+	7.5	-16 12.8	-16 5.3
	22 52	30.05	41.7	40.2	13, 31.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	18	+	7.5	+16 12.8	+16 20.3
	0 0	30.065	41.2	39.9	39.	Bisections at C ₄ , C ₃ .	19	+	4.7	.	+ 4.6
	12 53	30.16	38.2	37.1			22	+	7.4	.	+ 7.2
	13 33	30.17	41.8	39.8			28	+31	7.3	+16 10.1	+47 17.4
13	14 14	30.17	43.8	41.5			34	+26	15.2	+16 5.8	+42 21.0
	14 31	30.16	44.2	41.9			41	+	7.5	-16 13.4	-16 5.9
	15 16	30.14	46.0	44.2			42	+	7.6	+16 13.4	+16 21.0
	16 10	30.13	46.9	45.3						.	.
	16 58	30.12	49.0	45.6						.	.
	17 36	30.11	49.0	45.8						.	.
	23 57	30.12	39.6	39.1						.	.
	1 1	30.12	39.8	39.0						.	.
	1 30	30.12	39.8	39.1						.	.
14	0 53	29.88	44.5	41.9						.	.
	1 45	29.87	43.5	41.0						.	.
15	12 56	30.02	54.1	53.9						.	.
	13 26	30.03	54.8	53.9						.	.
	14 45	30.04	56.1	54.2						.	.
16	15 28	30.04	56.4	55.5						.	.

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° / "	rev.	' "	"	h m s	s	° / "	"
1	Mercury I, C.	11	0 43.57	+ 0.77	-32.49	295 42 3.92	28.331	- I 59.1	24.8	17 0 11.85	+ 0.24	- 25 21 39.8	. .
2	α Lyrae	11	34 4.63	+ 0.16	-32.49	359 44 2.65	27.015	- 0.2	24.8	18 33 . .	. .		. .
3	β Lyrae	11	46 54.88	+ 0.23	-32.52	354 16 2.58	30.081	- 5.7	25.2	18 46 . .	. .		. .
4	γ Aquilae	11	1 20.51	+ 0.42	-32.46	334 44 4.40	30.819	- 27.2	24.4	19 0 . .	. .		. .
	November 18, U.												
5	γ Tauri	11	14 39.95	+ 0.32	-32.11	336 26 9.25	26.778	- 25.3	24.7	4 14 . .	. .		. .
6	ε Tauri	11	23 20.52	+ 0.29	-32.12	340 0 5.52	27.520	- 21.1	25.9	4 22 . .	. .		. .
7	ι Aurigae	11	51 3.15	+ 0.17	-32.18	354 2 3.25	28.928	- 6.0	24.7	4 50 . .	. .		. .
8	Moon II, N.	11	15 16.32	+ 0.28	-32.13	344 7 59.82	30.530	- 16.4	25.2	5 14 44.47	- 70.05	+ 23 7 0.7	. .
9	β Tauri	11	20 32.28	+ 0.21	-32.13	349 32 0.75	31.084	- 10.7	25.3	5 20 . .	. .		. .
	November 19, S.												
10	α Orionis	11	50 18.87	+ 0.44	-31.99	328 26 4.60	27.596	- 35.8	27.3	5 49 . .	. .		. .
11	Moon II, S.	11	13 2.89	+ 0.33	-32.04	342 48 4.40	29.673	- 18.0	26.9	6 12 31.18	- 68.68	+ 21 46 37.6	. .
12	μ Geminorum	11	17 28.30	+ 0.32	-32.03	343 36 6.20	27.968	- 17.1	26.5	6 16 . .	. .		. .
13	γ Geminorum	11	32 29.59	+ 0.37	-32.05	337 30 3.72	30.814	- 24.1	26.6	6 31 . .	. .		. .
14	α Canis Majoris	11	41 17.57	+ 0.64	-32.10	304 28 4.35	29.399	- I 24.7	27.1	6 40 . .	. .		. .
	November 19, La.												
15	α Virginis	11	20 26.46	+ 0.68	-32.09	310 23 52.85	29.816	- I 8.0	25.5	13 19 . .	. .		. .
16	α Ursae Minoris S. P.	10	23 36.67	+ 24.64	[-30.12]	52 13 54.62	28.004	+ I 15.0	[23.1]	1 23 . .	. .		. .
17	η Bootis	11	50 26.54	+ 0.41	-32.18	339 56 4.18	28.186	- 21.1	24.8	13 49 . .	. .		. .
18	α Bootis	11	11 37.14	+ 0.40	-32.24	340 44 0.55	28.822	- 20.2	24.8	14 11 . .	. .		. .
19	ε Bootis	11	41 8.18	+ 0.31	-32.22	348 32 . .	. .	. .	. .	14 40 . .	. .		. .
	November 20, La.												
20	Sun I, S.	11	43 5.62	+ 0.72	-32.17	301 0 9.80	30.100	- I 35.4	25.0	15 42 34.17	+ 69.17	- 20 2 20.4	. .
21	Sun II, N.	11	45 23.97	+ 0.72	-32.17	301 32 5.32	31.170	- I 33.4	25.0	15 44 52.52	- 69.18	- 19 29 51.8	. .
22	Venus I, C.	6	54 43.54	+ 0.73	-32.16	297 52 4.88	30.982	- I 47.7	25.0	16 54 12.11	+ 0.42	- 23 10 12.1	. .
23	Venus II	5	54 44.34	+ 0.73	-32.16		. .	. .	. .	16 54 12.91	- 0.38		. .
24	α Herculis	11	10 36.23	+ 0.42	-32.17	335 32 2.60	29.410	- 26.0	25.8	17 10 . .	. .		. .
25	Mercury C, C.	11	16 5.15	+ 0.75	-32.15	295 36 1.45	31.194	- I 58.7	25.0	17 15 33.75	+ 0.11	- 25 26 20.5	. .
26	α Ophiuchi	11	30 48.55	+ 0.43	-32.15	333 40 2.15	28.882	- 28.3	25.0	17 30 . .	. .		. .
27	μ Herculis	11	43 3.66	+ 0.30	-32.16	348 47 59.58	30.121	- 11.3	25.2	17 42 . .	. .		. .
28	α Lyrae	11	34 4.19	+ 0.17	-32.12	359 44 2.15	26.980	- 0.2	24.1	18 33 . .	. .		. .
29	α Ursae Minoris	8	24 22.35	- 22.20	[-29.17]	49 48 2.65	26.893	+ I 9.5	[28.1]	1 23 . .	. .		. .
30	β Arietis	11	49 40.45	+ 0.34	-32.06	341 20 5.50	31.192	- 19.8	[26.8]	1 49 . .	. .		. .
31	α Arietis	11	2 5.80	+ 0.31	-32.08	344 0 1.65	31.675	- 16.8	[26.4]	2 1 . .	. .		. .
32	ξ Ceti	11	8 15.35	+ 0.44	-32.03	329 24 3.80	30.638	- 34.6	[27.1]	2 7 . .	. .		. .
33	ε Orionis	11	31 41.66	+ 0.55	-32.01	319 45 57.68	29.965	- 50.0	27.2	5 31 . .	. .		. .
34	Neptune C, C.	11	44 41.97	+ 0.34	-32.01	343 7 59.22	28.500	- 17.9	26.2	5 44 10.30	. .	+ 22 5 59.6	. .
35	ν Orionis	11	2 25.19	+ 0.41	-31.92	335 48 1.95	30.446	- 26.5	25.9	6 1 . .	. .		. .
36	μ Geminorum	11	17 28.35	+ 0.34	-32.08	343 36 2.18	28.105	- 17.4	26.1	6 16 . .	. .		. .
37	γ Geminorum	11	32 29.56	+ 0.40	-32.01	337 32 1.50	26.660	- 24.4	25.8	6 31 . .	. .		. .
38	Moon II, S.	11	8 8.35	+ 0.38	-31.99	340 48 2.55	27.659	- 20.6	26.2	7 7 36.74	- 66.87	+ 19 45 36.5	. .
39	δ Geminorum	11	14 42.45	+ 0.34	-31.99	343 12 0.92	28.271	- 17.8	25.9	7 14 . .	. .		. .
	November 20, Br.												
40	α Virginis	11	20 26.49	+ 0.74	-32.14	310 24 3.20	29.496	- I 9.3	25.5	13 19 . .	. .		. .
41	η Bootis	11	50 26.60	+ 0.43	-32.24	339 56 4.98	28.174	- 21.5	25.1	13 49 . .	. .		. .
42	α Bootis	11	11 37.14	+ 0.42	-32.25	340 44 2.75	28.724	- 20.5	24.2	14 11 . .	. .		. .
43	ε Bootis	11	41 8.18	+ 0.32	-32.21	348 32 5.65	27.440	- 11.9	25.2	14 40 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d. h m	in.	°	°				' "	' "	"	' "
16 17 5	30.03	57.1	55.6	8, 11, 38.	Bisections at II, III, IV, V, VI.	1	+ 7.8	. . .	- 0.2	+ 7.6
18 19 5	30.04	56.8	55.0	16.	Bisections at C ₁ , C ₃ , C ₂ , C ₄ .	8	+15 14.2	-15 28.4	. .	- 14.2
19 5 30	29.825	49.5	48.4	20.	Bisections at I, II.	11	+16 18.4	+15 17.1	. .	+31 35.5
19 5 52	29.73	49.5	48.5	21.	Bisections at VI, VII.	20	+ 7.6	+16 14.3	. .	+16 21.9
19 6 47	29.73	45.0	44.2	29.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	21	+ 7.6	-16 14.3	. .	-16 6.7
13 34	29.80	49.2	48.7			22	+ 4.8	. . .	- 0.1	+ 4.7
14 14	29.81	51.6	50.1			25	+ 8.6	. . .	- 0.3	+ 8.3
15 45	29.79	53.7	52.1			34	+ 0.1	. . .	. .	+ 0.1
16 57	29.78	55.2	54.2			38	+17 58.4	+15 6.9	. .	+33 5.3
17 36	29.77	56.2	54.5							
18 27	29.77	56.0	54.2							
1 30	29.81	44.8	42.9							
2 10	29.80	44.4	42.9							
5 34	29.80	40.0	39.1							
6 22	29.79	39.6	39.2							
7 17	29.785	39.4	38.1							
13 14	29.835	41.8	39.7							
13 55	29.835	43.7	41.2							
14 14	29.83	44.6	42.7							
14 44	29.83	46.0	43.8							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			s	m	Instrument.	Clock.								
November 21, Br.														
1	Sun I, N.	II	47	17.04	+ 0.83	-32.23	301 20 8.38	28.315	- I 35.7	24.9	15 46 45.64	+69.32	- 19 43 12.9	. . .
2	Sun II, S.	II	49	35.68	+ 0.83	-32.23	300 48 12.80	27.318	- I 37.7	24.9	15 49 4.28	-69.32	- 20 15 38.3	. . .
3	Venus I, C.	6	0	7.42	+ 0.82	-32.24	297 44 5.78	25.762	- I 49.8	24.9	16 59 36.00	+ 0.31	- 23 20 42.0	. . .
4	Venus II, ...	5	0	8.02	+ 0.82	-32.24					16 59 36.60	- 0.29		. . .
5	Mercury C, C. . . .	II	19	1.20	+ 0.83	-32.24	295 39 59.88	29.401	- I 59.8	24.9	17 18 29.79	+ 0.11	- 25 23 14.2	. . .
6	α Ophiuchi	II	30	48.66	+ 0.46	-32.29	333 40 4.15	28.829	- 28.6	25.1	17 30 . . .			. . .
7	α Lyrae	II	34	4.34	+ 0.16	-32.27	359 43 58.98	27.068	- 0.2	23.7	18 33 . . .			. . .
8	ζ Aquilæ	II	1	20.28	+ 0.43	-32.29	334 46 3.02	26.639	- 27.1	24.7	19 0 . . .			. . .
9	δ Aquilæ	II	20	58.76	+ 0.52	-32.15	323 58 3.62	27.164	- 41.9	25.4	19 20 . . .			. . .
10	β Tauri	II	20	32.41	+ 0.31	-32.29	349 34 0.58	26.872	- 10.8	24.9	5 20 . . .			. . .
11	ε Orionis	II	31	41.79	+ 0.64	-32.21	319 46 7.10	29.614	- 49.7	27.1	5 31 . . .			. . .
12	Neptune C, C. . . .	II	44	35.86	+ 0.39	-32.24	343 8 0.12	28.296	- 17.8	25.8	5 44 4.01		+ 22 5 55.2	. . .
13	ν Orionis	II	2	25.43	+ 0.48	-32.21	335 50 3.62	26.158	- 26.4	25.5	6 1 . . .			. . .
14	Moon II, S.	II	0	11.06	+ 0.46	-32.24	337 48 3.88	28.957	- 23.9	25.8	7 59 39.28	-64.95	+ 16 46 11.9	. . .
November 23, L.														
15	δ Orionis	II	27	27.61	+ 0.58	-32.40	320 40 8.00	28.639	- 48.7	28.2	5 26 . . .			. . .
16	ε Orionis	II	31	42.05	+ 0.59	-32.38	319 46 10.00	29.555	- 50.2	28.1	5 31 . . .			. . .
17	Neptune C, C. . . .	II	44	23.18	+ 0.33	-32.36	343 8 6.35	27.905	- 18.0	27.6	5 43 51.15		+ 22 5 48.3	. . .
18	α Orionis	II	50	19.25	+ 0.50	-32.35	328 26 9.60	27.438	- 36.5	27.6	5 49 . . .			. . .
19	ν Orionis	II	2	25.65	+ 0.42	-32.33	335 48 8.20	30.249	- 26.7	26.5	6 1 . . .			. . .
20	κ Cancri	II	2	52.81	+ 0.50	-32.28	332 6 5.85	29.170	- 31.6	27.5	9 2 . . .			. . .
21	α Hydræ	7	23	12.87	+ 0.74	-32.23	312 50 5.80	26.818	- I 4.5	26.1	9 22 . . .			. . .
22	Moon II, S.	7	36	18.37	+ 0.54	-32.37	329 48 0.20	30.622	- 34.8	27.0	9 35 46.54	-62.00	+ 8 46 43.6	. . .
23	ε Leonis	7	40	43.65	+ 0.32	-32.46	345 16 5.60	28.110	- 15.7	27.3	9 40 . . .			. . .
24	μ Leonis	7	47	37.76	+ 0.29	-32.52	347 30 5.40	29.251	- 13.2	27.1	9 47 . . .			. . .
November 24, B.														
25	β Tauri	II	20	32.42	+ 0.35	-32.27	349 34 7.65	26.525	- 11.0	21.8	5 20 . . .			. . .
26	δ Orionis	II	27	27.27	+ 0.75	-32.22	320 40 7.28	28.535	- 49.1	24.3	5 26 . . .			. . .
27	Neptune C, C. . . .	II	44	16.33	+ 0.45	-32.20	343 8 13.40	27.476	- 18.1	23.7	5 43 44.58		+ 22 5 46.9	. . .
28	ν Orionis	II	2	25.37	+ 0.54	-32.14	335 50 13.25	25.780	- 26.9	24.1	6 1 . . .			. . .
29	μ Geminorum	II	17	28.46	+ 0.44	-32.18	343 36 10.28	27.768	- 17.6	24.5	6 16 . . .			. . .
30	α Leonis	II	3	35.19	+ 0.60	-32.17	333 30 13.88	26.806	- 29.9	24.0	10 3 . . .			. . .
31	γ Leonis	II	15	0.15	+ 0.49	-32.30	341 22 9.75	29.621	- 20.2	23.3	10 14 . . .			. . .
32	Moon II, S.	II	21	47.38	+ 0.72	-32.23	325 10 11.00	32.434	- 41.7	24.2	10 21 15.87	-61.31	+ 4 9 41.9	. . .
33	ρ Leonis	II	28	5.01	+ 0.64	-32.22	330 52 9.62	26.958	- 33.4	24.8	10 27 . . .			. . .
34	ι Leonis	II	44	32.25	+ 0.62	-32.23	332 6 7.25	29.460	- 31.7	24.7	10 44 . . .			. . .
November 25, U.														
35	α Leonis	II	3	35.74	+ 0.56	-32.64	333 30 3.22	27.212	- 30.0	25.0	10 3 . . .			. . .
36	ρ Leonis	II	28	5.49	+ 0.61	-32.64	330 51 57.88	27.435	- 33.6	26.7	10 27 . . .			. . .
37	ι Leonis	II	44	32.70	+ 0.59	-32.61	332 6 5.10	29.572	- 31.9	25.9	10 44 . . .			. . .
38	Moon II, S.	II	6	46.35	+ 0.78	-32.64	320 21 58.25	30.522	- 49.9	25.6	11 6 14.49	-61.27	- 0 39 34.9	. . .
39	δ Crateris	II	14	52.47	+ 0.98	-32.63	306 48 3.65	30.125	- I 20.4	25.2	11 14 . . .			. . .
40	τ Leonis	II	23	19.99	+ 0.71	-32.67	324 26 6.42	29.902	- 43.1	25.0	11 22 . . .			. . .
November 26, S.														
41	ν Leonis	II	32	22.14	+ 0.86	-32.95	320 46 1.62	28.759	- 48.5	24.2	11 31 . . .			. . .
42	β Leonis	II	44	30.15	+ 0.61	-32.96	336 10 6.10	27.952	- 26.3	23.2	11 43 . . .			. . .
43	Moon II	II	52	13.65	+ 0.95	-32.98	315 44 . . .				11 51 41.62	-61.90		. . .
44	α Canum Venat. . . .	II	51	53.49	+ 0.14	-33.03	359 53 59.88	26.248	- 0.1	21.3	12 51 . . .			. . .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.														
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.		
d	h m	in.	°	°					' "	' "	"	' "		
21	15 49	29.82	49.0	44.9	1, 36.	Bisections at I, II.		1	+	7.6	-16 12.7	. . .	-16 5.1	
	17 1	29.795	51.2	48.8	2, 44.	Bisections at VI, VII.		2	+	7.7	+16 12.6	. . .	+16 20.3	
	17 34	29.785	52.2	49.3	14.	Bisections at III, IV, V.		3	+	4.9	. . .	- 0.1	+ 4.8	
	18 36	29.76	52.9	50.4	22, 32, 38.	Bisections at II, III, IV, V, VI.		5	+	8.8	. . .	- 0.3	+ 8.5	
	19 4	29.76	53.5	51.0				12	+	0.1	. . .	. . .	+ 0.1	
	19 24	29.76	53.1	50.9				14	+	20 29.0	+14 58.4	. . .	+35 27.4	
	5 18	29.685	41.9	39.9				17	+	0.1	. . .	. . .	+ 0.1	
	5 52	29.675	41.0	39.7				22	+	27 3.3	+14 48.9	. . .	+41 52.2	
	6 5	29.665	41.0	39.7				27	+	0.1	. . .	. . .	+ 0.1	
	8 2	29.66	42.2	41.4				32	+	30 43.9	+14 48.4	. . .	+45 32.3	
23	5 24	29.78	38.0	36.2				38	+	34 28.5	+14 51.1	. . .	+49 19.6	
	5 56	29.50	38.0	36.0										
	9 7	29.85	36.0	34.4										
	9 51	29.86	35.7	34.0										
24	5 18	29.82	34.0	33.8										
	6 20	29.80	33.3	32.3										
	10 5	29.80	32.0	32.0										
25	10 6	29.82	33.2	32.6										
	11 7	. . .	30.0	30.0										
	11 24	29.82	30.6	29.8										
26	11 39	29.66	33.5	34.0	15 to 24.	Two microscopes read.								
	12 56	29.685	34.3	32.8										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
	November 26, B.		m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Virginis	11	20 27.01	+ 1.01	-32.79	310 24 7.15	29.241	- 1 9.8	22.5	13 19 . .	. .		. .
2	α Ursæ Minoris s. p.	9	23 17.07	+42.45	[-32.42]	52 14 6.08	27.492	+ 1 16.9	[24.7]	1 23 . .	. .		. .
3	α Bootis	11	11 37.81	+ 0.52	-32.90	340 44 7.42	28.438	- 20.6	22.3	14 11 . .	. .		. .
4	ϵ Bootis	11	41 8.95	+ 0.38	-32.94	348 32 7.22	27.234	- 11.9	22.6	14 40 . .	. .		. .
5	α Coronæ Borealis . .	11	30 58.82	+ 0.39	-32.91	348 4 10.38	29.979	- 12.3	21.3	15 30 . .	. .		. .
	November 27, B.												
6	Sun I, S.	11	12 43.14	+ 1.16	-32.89	299 36 7.48	27.305	- 1 42.0	21.9	16 12 11.41	+69.91	- 21 27 45.7	. .
7	Sun II, N.	11	15 2.95	+ 1.16	-32.89	300 8 10.88	28.048	- 1 39.8	21.9	16 14 31.22	-69.90	- 20 55 18.5	. .
8	α^1 Herculis	11	10 36.71	+ 0.58	-32.80	335 32 10.75	28.946	- 26.3	21.7	17 10 . .	. .		. .
9	Mercury C, C.	11	25 1.36	+ 1.16	-32.89	296 38 12.60	28.064	- 1 54.8	21.9	17 24 29.63	+ 0.17	- 24 25 31.6	. .
10	α Ophiuchi	11	30 49.06	+ 0.60	-32.83	333 40 7.62	28.540	- 28.6	21.5	17 30 . .	. .		. .
11	Venus I, C.	6	32 45.57	+ 1.15	-32.89	296 54 8.45	29.462	- 1 53.4	21.9	17 32 13.83	+ 0.48	- 24 8 54.5	. .
12	Venus II	5	32 46.48	+ 1.15	-32.89				. .	17 32 14.74	- 0.43		. .
13	μ Herculis	11	43 4.35	+ 0.35	-32.92	348 48 8.78	29.621	- 11.4	21.8	17 42 . .	. .		. .
14	α Lyrae	11	34 5.05	+ 0.13	-33.02	359 44 9.35	26.582	- 0.2	21.6	18 33 . .	. .		. .
15	ϵ Piscium	11	58 18.95	+ 0.55	-32.81	328 24 3.85	27.344	- 36.1	[23.7]	0 57 . .	. .		. .
16	β Andromedæ	11	4 42.41	+ 0.19	-32.90	356 8 6.62	27.022	- 3.9	[23.8]	1 4 . .	. .		. .
17	α Ursæ Minoris	8	24 29.96	-30.34	[-32.81]	49 48 4.75	26.822	+ 1 9.6	[26.0]	1 23 . .	. .		. .
	November 28, Br.												
18	β Tauri	11	20 33.68	+ 0.34	-33.44	349 33 58.88	26.869	- 10.8	23.0	5 20 . .	. .		. .
19	ϵ Orionis	11	31 42.96	+ 0.77	-33.38	319 46 3.72	29.645	- 49.6	25.7	5 31 . .	. .		. .
20	Neptune C, C.	11	43 50.72	+ 0.45	-33.38	343 8 0.95	27.432	- 17.8	24.6	5 43 17.79	. .	+ 22 5 32.6	. .
21	α Orionis	11	50 20.18	+ 0.66	-33.34	328 26 3.68	27.532	- 36.0	25.4	5 49 . .	. .		. .
22	ν Orionis	11	2 26.65	+ 0.56	-33.36	335 49 58.18	26.294	- 26.3	24.5	6 1 . .	. .		. .
	November 28, U.												
23	α Ursæ Minoris s. p.	10	23 21.16	+39.85	[-35.01]	52 14 0.34	27.745	+ 1 15.8	[25.0]	1 23 . .	. .		. .
24	η Bootis	11	50 27.96	+ 0.48	-33.47	339 56 7.25	28.007	- 21.3	24.9	13 49 . .	. .		. .
25	α Bootis	11	11 38.47	+ 0.46	-33.46	340 43 58.78	28.748	- 20.3	23.3	14 11 . .	. .		. .
26	α Coronæ Borealis . .	11	30 59.49	+ 0.34	-33.51	348 3 54.45	30.565	- 12.1	22.9	15 30 . .	. .		. .
	November 29, U.												
27	Sun I, S.	11	21 18.40	+ 0.98	-33.51	299 13 58.28	29.938	- 1 41.6	23.6	16 20 45.87	+70.05	- 21 48 41.2	. .
28	Sun II, N.	11	23 38.49	+ 0.98	-33.51	299 48 0.82	26.458	- 1 39.5	23.6	16 23 5.96	-70.04	- 21 16 15.3	. .
29	α Lyrae	11	34 5.58	+ 0.11	-33.54	359 44 1.95	26.886	- 0.2	23.3	18 33 . .	. .		. .
30	β Andromedæ	11	4 43.09	+ 0.20	-33.61	356 8 1.45	27.230	- 3.9	[24.4]	1 4 . .	. .		. .
31	α Ursæ Minoris	10	24 30.14	-29.92	[-34.47]	49 47 58.70	27.078	+ 1 8.6	[25.7]	1 23 . .	. .		. .
32	α Piscium	11	40 41.46	+ 0.55	-33.56	329 42 0.38	27.768	- 33.8	[25.6]	1 40 . .	. .		. .
	November 30, B.												
33	α Virginis	11	20 28.28	+ 0.71	-33.65	310 24 2.75	29.314	- 1 7.9	22.6	13 19 . .	. .		. .
34	η Bootis	11	50 28.29	+ 0.36	-33.63	339 56 3.48	28.070	- 21.1	23.7	13 49 . .	. .		. .
35	α Bootis	11	11 38.82	+ 0.35	-33.66	340 44 2.70	28.589	- 20.1	23.4	14 11 . .	. .		. .
36	ϵ Bootis	10	41 9.84	+ 0.24	-33.62	348 32 1.05	27.418	- 11.6	23.3	14 40 . .	. .		. .
	December 1, B.												
37	Sun I, S.	11	29 56.12	+ 0.73	-33.63	298 54 9.15	31.028	- 1 42.1	22.0	16 29 23.22	+70.36	- 22 7 58.2	. .
38	Sun II, N.	11	32 16.84	+ 0.73	-33.63	299 26 8.05	32.088	- 1 39.8	22.0	16 31 43.94	-70.36	- 21 35 26.4	. .
39	α^1 Herculis	11	10 37.81	+ 0.35	-33.65	335 32 3.15	29.150	- 25.6	21.6	17 10 . .	. .		. .
40	α Ophiuchi	11	30 50.11	+ 0.37	-33.64	333 39 59.75	28.732	- 27.8	20.7	17 30 . .	. .		. .
41	μ Herculis	11	43 5.20	+ 0.21	-33.64	348 48 0.55	29.874	- 11.1	22.1	17 42 . .	. .		. .
42	Venus I, C.	5	54 42.46	+ 0.69	-33.63	296 35 59.60	30.721	- 1 51.4	21.3	17 54 9.52	+ 0.47	- 24 26 24.8	. .
43	Venus II	6	54 43.35	+ 0.69	-33.63				. .	17 54 10.41	- 0.42		. .

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
26	13	9	29.70	34.8	33.1	2.	Bisections at C ₃ , C ₂ , C ₁ , B ₃ , B ₂ .	6	+	7.8	+16 13.5	+16 21.3
	13	52	29.71	35.0	35.8	6, 10, 27, 37.	Bisections at I, II.	7	+	7.7	-16 13.6	-16 5.9
	15	33	29.70	44.8	43.4	7, 28, 38.	Bisections at VI, VII.	9	+	10.2	. . .	+ 9.9
27	16	15	29.69	46.5	45.2	17, 23.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	11	+	5.0	. . .	+ 5.0
	17	7	29.67	48.0	46.9	24.	Bisections at I, II, VII.	20	+	0.1	. . .	+ 0.1
	17	48	29.65	49.7	47.9	31.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	27	+	7.8	+16 13.0	+16 20.8
	18	32	29.65	51.0	48.9			28	+	7.8	-16 12.9	-16 5.1
	0	52	29.64	50.8	39.2			37	+	7.8	+16 15.9	+16 23.7
	1	30	29.64	40.2	39.2			38	+	7.8	-16 15.9	-16 8.1
28	5	22	29.495	39.0	38.1			42	+	5.0	. . .	+ 5.0
	6	5	29.49	38.5	38.0							
	13	36	29.56	39.0	40.1							
	14	18	29.57	43.0	44.1							
29	16	23	29.55	50.3	51.5							
	19	0	29.52	53.5	52.7							
	1	0	29.49	46.6	44.8							
	1	48	29.485	45.2	43.9							
30	13	17	29.485	45.9	43.8							
	14	14	29.48	48.2	46.9							
	14	43	29.48	50.2	49.1							
1	16	32	29.44	55.0	54.1							
	17	7	29.43	56.3	56.1							
	17	50	29.40	58.9	58.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru-ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α Lyrae	11	34 5.66	+ 0.07	-33.60	359 44 0.88	26.822	- 0.2	21.0	18 33 .	.	.	.
	December 1, U.												
2	α Ursae Minoris S. P.	11	23 28.95	+28.53	[-32.97]	52 13 53.20	28.005	+ 1 15.1	[25.4]	1 23 .	.	.	.
3	η Bootis.	11	50 28.46	+ 0.36	-33.78	339 56 4.45	28.035	- 21.2	23.9	13 49 .	.	.	.
4	α Bootis.	11	11 39.11	+ 0.36	-33.93	340 44 2.05	28.648	- 20.2	24.6	14 11 .	.	.	.
5	ρ Bootis.	11	28 4.15	+ 0.22	-33.85	351 50 3.20	29.012	- 8.3	23.3	14 27 .	.	.	.
6	ϵ Bootis.	11	41 10.13	+ 0.26	-33.91	348 32 3.45	27.375	- 11.7	24.7	14 40 .	.	.	.
7	α Coronae Borealis .	11	30 59.92	+ 0.27	-33.82	348 4 .	.	.	.	15 30 .	.	.	.
	December 2, U.												
8	Sun I, S.	11	34 15.91	+ 0.78	-33.86	298 46 11.62	28.805	- 1 44.4	23.1	16 33 42.83	+70.43	- 22 17 2.4	.
9	Sun II, N.	11	36 36.77	+ 0.78	-33.86	299 18 8.22	30.092	- 1 42.1	23.1	16 36 3.69	-70.43	- 21 44 26.5	.
10	α Ophiuchi	11	30 50.28	+ 0.42	-33.86	333 40 1.25	28.785	- 28.3	23.4	17 30 .	.	.	.
11	α Lyrae	11	34 5.93	+ 0.10	-33.91	359 44 1.25	26.852	- 0.2	22.4	18 33 .	.	.	.
12	β Lyrae	11	46 56.09	+ 0.18	-33.84	354 18 3.02	25.619	- 5.7	20.8	18 46 .	.	.	.
13	ζ Aquilae	11	1 21.80	+ 0.40	-33.85	334 44 4.85	30.619	- 26.9	21.6	19 0 .	.	.	.
14	β Andromedae	11	4 43.35	+ 0.16	-33.86	356 8 7.68	27.010	- 3.9	[24.1]	1 4 .	.	.	.
15	α Ursae Minoris . . .	11	24 22.83	-26.41	[-32.18]	49 47 56.80	27.191	+ 1 8.9	[26.6]	1 23 .	.	.	.
16	σ Piscium	11	40 41.69	+ 0.46	-33.71	329 42 0.22	27.750	- 34.0	[24.7]	1 40 .	.	.	.
	December 3, U.												
17	α Virginis.	11	20 28.35	+ 0.83	-33.76	310 24 5.82	29.290	- 1 8.8	24.6	13 19 .	.	.	.
18	α Ursae Minoris S. P.	8	23 23.05	+33.40	[-33.09]	52 13 53.08	27.944	+ 1 15.8	[24.8]	1 23 .	.	.	.
19	η Bootis.	11	50 28.35	+ 0.46	-33.72	339 56 .	.	.	.	13 49 .	.	.	.
20	α Bootis.	11	11 38.95	+ 0.44	-33.81	340 44 2.02	28.631	- 20.4	24.5	14 11 .	.	.	.
21	ρ Bootis.	11	28 4.08	+ 0.28	-33.80	351 50 0.82	29.091	- 8.4	23.7	14 27 .	.	.	.
22	α Coronae Borealis .	10	30 59.90	+ 0.33	-33.83	348 4 1.55	30.305	- 12.3	23.8	15 30 .	.	.	.
	December 4, U.												
23	Sun I, S.	11	42 57.01	+ 0.94	-33.80	298 30 8.75	27.575	- 1 47.0	23.9	16 42 24.15	+70.49	- 22 33 43.7	.
24	Sun II, N.	11	45 17.99	+ 0.94	-33.80	299 2 21.02	28.165	- 1 44.6	23.9	16 44 45.13	-70.49	- 22 1 11.9	.
25	γ Draconis	11	54 49.25	- 0.16	-33.80	12 29 58.90	31.938	+ 13.4	24.7	17 54 .	.	.	.
26	α Lyrae	11	34 5.80	+ 0.14	-33.83	359 43 57.25	27.008	- 0.2	23.4	18 33 .	.	.	.
27	β Lyrae	11	46 55.99	+ 0.24	-33.81	354 16 3.12	29.850	- 5.8	22.9	18 46 .	.	.	.
28	ζ Aquilae	11	1 21.64	+ 0.51	-33.81	334 44 1.78	30.802	- 27.5	23.5	19 0 .	.	.	.
29	ϵ Piscium	11	58 19.73	+ 0.61	-33.70	328 24 1.55	27.483	- 36.6	[25.1]	0 57 .	.	.	.
30	β Andromedae	11	4 43.26	+ 0.20	-33.83	356 8 4.75	27.130	- 4.0	[24.6]	1 4 .	.	.	.
31	α Ursae Minoris . . .	11	24 31.38	-33.81	[-34.52]	49 47 57.84	27.128	+ 1 10.5	[26.7]	1 23 .	.	.	.
	December 4, Br.												
32	α Ursae Minoris S. P.	8	23 14.74	+40.72	[-32.76]	52 13 59.15	27.610	+ 1 18.1	[23.9]	1 23 .	.	.	.
33	η Bootis.	11	50 28.43	+ 0.55	-33.86	339 56 4.42	28.071	- 22.0	24.8	13 49 .	.	.	.
34	α Bootis.	11	11 39.00	+ 0.53	-33.93	340 44 1.22	28.644	- 21.0	23.7	14 11 .	.	.	.
35	ϵ Bootis.	11	41 10.07	+ 0.39	-33.91	348 31 59.12	27.476	- 12.2	23.5	14 40 .	.	.	.
36	α Coronae Borealis .	11	30 59.96	+ 0.40	-33.94	348 5 56.98	26.284	- 12.6	24.6	15 30 .	.	.	.
	December 5, Br.												
37	Sun I, S.	11	47 18.23	+ 1.15	-33.89	298 22 1.72	28.542	- 1 50.2	24.3	16 46 45.49	+70.70	- 22 41 26.8	.
38	Sun II, N.	11	49 39.63	+ 1.15	-33.89	298 54 1.48	29.510	- 1 47.8	24.3	16 49 6.89	-70.70	- 22 8 56.7	.
39	Venus I, C.	6	16 41.59	+ 1.18	-33.88	296 32 5.35	27.665	- 1 58.6	24.3	18 16 8.89	+ 0.43	- 24 31 56.4	.
40	Venus II	5	16 42.40	+ 1.18	-33.88	.	.	.	.	18 16 9.70	- 0.38	.	.
41	α Lyrae	11	34 5.89	+ 0.16	-33.95	359 43 58.40	26.952	- 0.2	23.2	18 33 .	.	.	.
42	ζ Aquilae	11	1 21.63	+ 0.61	-33.90	334 46 7.78	26.419	- 28.0	24.3	19 0 .	.	.	.
43	Moon I	11	22 54.53	+ 1.13	-33.87	300 46 .	.	.	.	19 22 21.79	+71.65	.	.
44	γ Aquilae	11	42 3.22	+ 0.66	-33.86	331 24 9.22	29.252	- 32.4	24.4	19 41 .	.	.	.

Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d	h m	in.	°	°				' "	' "	"	' "
1	18 30	29.395	61.0	59.2	2, 31.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	8	+	7.8	+16 18.0	+16 25.8
13	12	29.52	43.2	42.3	8, 23, 37.	Bisections at I, II.	9	+	7.8	-16 17.9	-16 10.1
14	12	29.53	45.1	44.0	9, 24, 38, 44.	Bisections at VI, VII.	23	+	7.9	+16 15.8	+16 23.7
2	16 36	29.545	48.9	47.6	15.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	24	+	7.8	-16 15.9	-16 8.1
17	35	29.51	51.4	49.5	18.	Bisections at C ₃ , C ₂ , C ₁ .	37	+	7.9	+16 15.0	+16 22.9
18	48	29.50	54.0	50.6	28, 29.	Bisections at II, VI, VII.	38	+	7.8	-16 15.0	-16 7.2
1	12	29.51	44.5	47.6	30.	Bisections at II, III, IV.	39	+	5.0	.	0.0
1	48	29.51	44.2	42.2	32.	Bisections at C ₅ , C ₄ , C ₃ , C ₂ .					
3	13 18	29.47	38.4	37.3							
14	30	29.50	41.2	39.4							
15	36	29.51	42.0	40.0							
4	16 45	29.51	42.9	40.9							
18	48	29.51	45.0	41.2							
1	0	29.59	34.5	33.0							
1	36	29.60	34.0	32.5							
13	13	29.855	29.8	29.1							
13	59	29.86	31.7	30.6							
14	16	29.87	32.5	31.0							
14	48	29.88	34.5	32.1							
15	35	29.90	35.2	33.1							
5	16 49	29.89	37.8	35.2							
18	20	29.865	41.0	36.9							
19	4	29.86	41.8	37.0							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.		CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
			m	s	Instru- ment.	Clock.								
1	α Aquilæ	11	46	27.08	+ 0.68	-33.78	329 38 13.28	29.402	- 34.8	25.8	19 45 . .	s		
2	ϵ Piscium	11	58	19.77	+ 0.79	-33.93	328 24 10.12	27.150	- 36.8	[24.1]	0 57 . .			
3	β Andromedæ	11	4	43.35	+ 0.30	-34.03	356 8 9.85	26.954	- 4.0	[24.4]	1 4 . .			
4	α Ursæ Minoris December 5, B.	7	24	36.86	-37.98	[-36.54]	49 48 2.85	26.919	+ 11.0	[26.2]	1 23 . .			
5	ρ Bootis	11	28	4.10	+ 0.32	-33.81	351 50 11.72	28.685	- 8.6	23.3	14 27 . .			
6	ϵ Bootis	11	41	10.00	+ 0.39	-33.82	348 32 13.60	26.964	- 12.1	23.8	14 40 . .			
7	α Coronæ Borealis	11	30	59.90	+ 0.40	-33.87	348 4 13.08	29.814	- 12.5	21.7	15 30 . .			
8	α Serpentis December 6, B.	11	39	53.15	+ 0.74	-33.91	327 46 17.05	29.366	- 37.5	24.5	15 39 . .			
9	Sun I, N.	6	51	40.29	+ 1.18	-33.86	298 46 7.95	30.860	- 1 46.8	22.8	16 51 7.61	+70.68	- 22 16 9.6	
10	Sun II, S.	4	54	1.65	+ 1.18	-33.86	298 14 7.80	29.805	- 1 49.1	22.8	16 53 28.97	-70.68	- 22 48 41.8	
11	Venus C.						296 32 13.90	28.376	- 1 57.4	22.8	18 21 . .		- 24 31 24.9	
12	α Lyrae	11	34	5.85	+ 0.14	-33.89	359 44 15.38	26.289	- 0.2	21.5	18 33 . .			
13	β Lyrae	11	46	56.05	+ 0.26	-33.91	354 16 14.55	29.414	- 5.8	22.4	18 46 . .			
14	ζ Aquilæ	11	1	21.55	+ 0.60	-33.82	334 44 14.85	30.261	- 27.7	21.6	19 0 . .			
15	γ Aquilæ	11	42	3.22	+ 0.65	-33.85	331 24 17.20	28.912	- 32.1	23.1	19 41 . .			
16	α Aquilæ	11	46	27.14	+ 0.67	-33.84	329 38 13.95	29.282	- 34.5	23.6	19 45 . .			
17	Moon I	11	23	5.99	+ 1.05	-33.85	304 40 . .				20 22 33.19	+70.17		
18	ϵ Delphini	11	28	59.27	+ 0.63	-33.86	332 0 10.60	28.356	- 31.4	22.1	20 28 . .			
19	β Tauri	11	20	34.21	+ 0.32	-33.81	349 34 14.70	26.321	- 11.3	22.3	5 20 . .			
20	δ Orionis	11	27	28.90	+ 0.81	-33.72	320 40 12.68	28.358	- 50.5	25.0	5 26 . .			
21	Neptune C, C	11	42	55.14	+ 0.44	-33.75	343 8 12.62	26.120	- 18.7	23.8	5 42 21.83		+ 22 5 6.8	
22	α Orionis	11	50	20.70	+ 0.69	-33.74	328 26 18.88	27.021	- 37.9	25.0	5 49 . .			
23	ν Orionis December 6, L.	11	2	27.17	+ 0.57	-33.73	335 48 14.68	29.899	- 27.7	22.9	6 1 . .			
24	ϵ Bootis	11	41	10.40	+ 0.42	-34.23	348 32 7.80	27.075	- 12.5	21.0	14 40 . .			
25	β Herculis December 7, L.	11	26	28.08	+ 0.53	-34.17	342 44 4.68	29.000	- 18.9	17.8	16 25 . .			
26	Sun I, N.	11	56	3.00	+ 1.28	-34.19	298 40 6.70	29.090	- 1 51.0	20.2	16 55 30.09	+70.86	- 22 23 2.9	
27	Sun II, S.	11	58	24.72	+ 1.28	-34.19	298 8 4.35	28.112	- 1 53.5	20.2	16 57 51.81	-70.86	- 22 55 33.3	
28	α Ophiuchi	11	30	50.40	+ 0.68	-34.21	333 40 8.72	28.467	- 30.0	21.0	17 30 . .			
29	Venus I, C.	5	27	41.70	+ 1.27	-34.18	296 32 9.82	31.182	- 2 0.4	20.2	18 27 8.79	+ 0.48	- 24 30 9.4	
30	Venus II	6	27	42.60	+ 1.27	-34.18					18 27 9.69	- 0.42		
31	α Lyrae	11	34	6.19	+ 0.15	-34.25	359 44 3.05	26.625	- 0.2	19.0	18 33 . .			
32	β Lyrae	11	46	56.28	+ 0.28	-34.16	354 16 7.20	29.598	- 6.0	20.4	18 46 . .			
33	γ Aquilæ	11	42	3.47	+ 0.69	-34.15	331 24 6.75	29.200	- 32.8	20.4	19 41 . .			
34	α Aquilæ December 7, B.	11	46	27.35	+ 0.72	-34.10	329 38 6.50	29.515	- 35.3	22.1	19 45 . .			
35	α Bootis	11	11	39.25	+ 0.54	-34.11	340 44 5.20	28.281	- 20.8	18.3	14 11 . .			
36	ρ Bootis	11	28	4.47	+ 0.32	-34.13	351 50 6.45	28.715	- 8.5	19.6	14 27 . .			
37	ϵ Bootis	11	41	10.37	+ 0.39	-34.15	348 32 4.75	27.054	- 12.0	18.2	14 40 . .			
38	α Coronæ Borealis December 8, B.	11	31	0.25	+ 0.39	-34.17	348 4 6.42	29.849	- 12.5	16.6	15 30 . .			
39	Sun I, S.	11	0	25.83	+ 1.23	-34.13	298 2 11.35	26.818	- 1 49.7	18.2	16 59 52.93	+70.93	- 23 1 59.7	
40	Sun II, N.	11	2	47.68	+ 1.23	-34.13	298 34 11.40	27.868	- 1 47.3	18.2	17 2 14.78	-70.92	- 22 29 27.0	
41	α Ophiuchi	11	30	50.35	+ 0.64	-34.12	333 40 7.52	28.381	- 28.9	18.6	17 30 . .			
42	μ Herculis	11	43	5.55	+ 0.37	-34.14	348 48 7.10	29.470	- 11.5	18.5	17 42 . .			
43	η Serpentis	11	16	40.89	+ 0.87	-34.13	318 6 8.20	30.340	- 52.3	18.4	18 16 . .			

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
5 19 50	29.855	41.2	37.1	4.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	9	+	7.8	-16 16.0	. -16 8.2
0 50	29.80	34.5	33.4	5, 10, 27, 40.	Bisections at VI, VII.	10	+	7.9	+16 16.1	. +16 24.0
1 32	29.80	34.0	32.8	9.	Bisection at I.	11	+	5.1	. . .	. + 5.1
14 25	29.85	34.3	34.0	25, 26, 39.	Bisections at I, II.	21	+	0.1	. . .	. + 0.1
15 25	29.86	37.8	36.4	28, 32.	Bisections at II, VI, VII.	26	+	7.9	-16 15.2	. -16 7.3
15 45	29.86	37.6	36.7			27	+	7.9	+16 15.2	. +16 23.1
16 54	29.865	42.5	41.9			29	+	5.1	. . .	. + 5.1
18 18	29.88	42.5	41.9			39	+	7.9	+16 16.4	. +16 24.3
19 5	29.91	44.7	42.5			40	+	7.9	-16 16.3	. -16 8.4
19 53	29.91	46.2	42.6							
20 31	30.94	43.2	40.9							
5 15	30.215	26.5	24.7							
5 57	30.215	26.5	24.7							
14 43	30.32	28.8	26.4							
16 28	30.28	34.0	31.8							
7 16 58	30.255	34.8	31.7							
17 32	30.24	36.0	33.0							
18 31	30.20	37.6	34.3							
19 47	30.15	38.3	35.2							
14 14	30.00	37.0	39.2							
14 50	30.02	39.8	39.9							
15 33	30.025	43.0	42.7							
8 17 2	29.995	46.0	45.9							
17 34	29.99	47.2	47.4							
18 19	29.98	49.0	48.2							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MICROM. READINGS.	REFRACTION.	EQ. PT FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrum.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	Venus I, C.	5	33 11.18	+ 1.22	-34.12	296 36 5.85	26.982	- 1	56.0	18.2	18 32 38.28	+ 0.49	- 24 28 6.6
2	Venus II.	6	33 12.09	+ 1.22	-34.12						18 32 39.19	- 0.42	
3	β Lyrae	II	46 56.29	+ 0.25	-34.14	354 16 5.65	29.525	-	5.8	17.1	18 46 . . .		
4	ϵ Pegasi	II	39 50.16	+ 0.64	-34.07	330 26 13.00	30.790	-	33.0	20.4	21 39 . . .		
5	μ Capricorni	II	48 24.09	+ 0.98	-34.05	307 0 5.00	31.598	- I	17.2	19.7	21 47 . . .		
6	Moon I, S.	II	16 6.72	+ 0.87	-34.00	314 48 6.98	30.091	-	58.9	19.6	22 15 33.59	+ 67.52	- 6 13 41.4
7	η Aquarii	II	30 46.81	+ 0.78	-33.92	320 24 12.65	29.145	-	48.4	18.7	22 30 . . .		
8	ζ Pegasi	II	37 2.43	+ 0.62	-33.97	331 20 7.78	30.038	-	32.0	19.8	22 36 . . .		
9	β Tauri	II	20 34.39	+ 0.41	-34.05	349 34 6.22	26.498	-	11.0	19.2	5 20 . . .		
10	δ Orionis	II	27 29.22	+ 0.84	-34.04	320 40 10.75	28.210	-	48.9	20.7	5 26 . . .		
11	Neptune C, C.	II	42 40.98	+ 0.51	-34.03	343 6 6.92	30.192	-	18.1	19.9	5 42 7.46		+ 22 5 1.6
12	α Orionis	II	50 20.96	+ 0.73	-34.01	328 26 10.68	27.104	-	36.6	20.7	5 49 . . .		
13	ν Orionis	II	2 27.42	+ 0.63	-34.00	335 48 7.10	29.996	-	26.8	19.1	6 1 . . .		
December 8, U.													
14	α Bootis	5	11 39.39	+ 0.58	-34.27	340 44 6.02	28.295	-	20.9	19.7	14 11 . . .		
15	ϵ Bootis	II	41 10.50	+ 0.44	-34.30	348 32 4.85	27.100	-	12.1	19.8	14 40 . . .		
16	β Bootis	II	58 44.03	+ 0.15	-34.38	1 48 3.32	29.472	+	1.9	20.1	14 58 . . .		
17	α Coronæ Borealis	II	31 0.35	+ 0.45	-34.31	348 4 4.00	29.982	-	12.5	18.3	15 30 . . .		
18	β Herculis	II	26 28.32	+ 0.53	-34.38	342 44 4.00	29.065	-	18.3	20.1	16 25 . . .		
December 9, U.													
19	Sun I, N.	II	4 49.65	+ 1.17	-34.31	298 28 10.42	28.070	- I	48.1	19.5	17 4 16.51	+ 70.88	- 22 35 24.6
20	Sun II, S.	II	7 11.41	+ 1.17	-34.31	297 54 12.30	31.155	- I	50.6	19.5	17 6 38.27	- 70.88	- 23 7 57.1
21	α Ophiuchi	II	30 50.54	+ 0.66	-34.32	333 40 2.85	28.596	-	29.1	20.2	17 30 . . .		
22	α Lyrae	II	34 6.23	+ 0.20	-34.34	359 44 2.62	26.672	-	0.2	20.5	18 33 . . .		
23	Venus I, C.	II	38 40.75	+ 1.18	-34.30	296 38 8.10	28.536	- I	56.4	19.5	18 38 7.63	+ 0.41	- 24 25 21.8
24	β Lyrae	II	46 56.37	+ 0.32	-34.30	354 15 59.00	29.819	-	5.8	19.1	18 46 . . .		
25	ζ Aquilæ	II	1 21.93	+ 0.64	-34.24	334 44 3.52	30.512	-	27.7	17.6	19 0 . . .		
26	ζ Pegasi	II	37 2.57	+ 0.64	-34.14	331 20 8.08	30.092	-	32.4	21.4	22 36 . . .		
27	λ Aquarii	II	47 57.89	+ 0.87	-34.22	312 56 7.18	28.310	- I	3.7	20.6	22 47 . . .		
28	Moon I, S.	II	10 5.65	+ 0.79	-34.21	320 34 18.72	31.200	-	48.8	21.2	23 9 32.23	+ 66.95	- 0 26 49.6
29	θ Piscium	II	23 28.13	+ 0.70	-34.24	326 52 6.92	28.665	-	38.9	21.0	23 22 . . .		
30	ι Piscium	II	35 22.86	+ 0.71	-34.23	326 6 5.82	27.225	-	40.0	21.7	23 34 . . .		
December 10, B.													
31	α Virginis	3	20 29.08	+ 0.88	-34.32	310 24 . . .	27.030	+	15.8	[21.1]	13 19 . . .		
32	α Ursæ Minoris S. P.	4	23 20.78	+ 31.41	[-34.21]	52 14 13.85	27.030	+	15.8	[21.1]	1 23 . . .		
33	δ Ophiuchi	II	9 39.27	+ 0.72	-34.16	317 36 18.80	28.442	-	52.1	21.5	16 9 . . .		
34	β Herculis	II	26 28.33	+ 0.46	-34.30	342 44 15.48	28.562	-	17.7	18.5	16 25 . . .		
December 11, B.													
35	Sun I, N.	II	13 38.01	+ 0.86	-34.10	298 16 11.10	30.995	- I	45.3	18.8	17 13 4.77	+ 70.94	- 22 45 57.0
36	Sun II, S.	II	15 59.89	+ 0.86	-34.10	297 44 12.25	29.905	- I	47.6	18.8	17 15 26.65	- 70.94	- 23 18 29.1
37	α Lyrae	II	34 5.98	+ 0.24	-34.14	359 44 13.88	26.131	-	0.2	17.0	18 33 . . .		
38	β Lyrae	II	46 56.21	+ 0.30	-34.13	354 16 13.52	29.215	-	5.6	17.1	18 46 . . .		
39	Venus C.					296 46 13.40	27.730	- I	51.3	16.9	18 49 . . .		- 24 17 31.9
40	ζ Aquilæ	II	1 22.03	+ 0.47	-34.17	334 44 19.00	29.884	-	26.6	16.7	19 0 . . .		
December 12, Br.													
41	β Andromedæ	8	4 44.12	- 0.36	-34.22	356 8 3.18	26.762	-	3.8	12.2	1 4 . . .		
42	α Ursæ Minoris	8	24 1.24	- 11.48	[-32.85]	49 48 8.00	26.502	+	7.9	[14.5]	1 23 . . .		
43	θ Piscium	II	40 42.84	- 0.23	-34.23	329 41 59.20	27.364	-	33.5	13.8	1 40 . . .		
44	Moon I, S.	II	53 13.52	- 0.27	-34.23	336 16 10.62	29.092	-	25.2	13.0	1 52 39.02	+ 68.52	+ 15 14 34.0
45	α Arietis	II	2 8.50	- 0.29	-34.24	344 0 4.12	31.100	-	16.4	12.3	2 1 . . .		

Time.			Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d	h	m	in.	°	°				' "	' "	"	' "
8	18	50	29.98	50.0	48.6	6, 28.	Bisections at II, III, IV, V, VI.	1	+	5.1	0.0	+ 5.1
	21	35	29.99	48.8	48.9		Bisections at VI, VII.	6	+ 41	52.3	+ 16 11.8	+ 58 4.1
	22	39	29.99	45.8	46.1	14, 20, 36, 39, 41.	Bisection at II.	11	+	0.1		+ 0.1
	5	18	30.10	39.8	39.3	19.	Bisections at C ₃ , C ₂ .	19	+	7.9	- 16 16.3	- 16 8.4
	6	5	30.10	39.8	39.7	32.	Bisections at I, II.	20	+	7.9	+ 16 16.2	+ 16 24.1
	14	18	30.09	38.3	36.8	35.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	23	+	5.1	0.0	+ 5.1
	15	36	30.12	42.5	42.3	42.	Bisections at III, IV, V.	28	+ 37	17.7	+ 16 8.1	+ 53 25.8
	16	30	30.10	45.5	44.9			35	+	7.9	- 16 16.1	- 16 8.2
9	17	7	30.10	46.8	46.0			36	+	7.9	+ 16 16.0	+ 16 23.9
	18	42	30.08	48.8	47.2			39	+	5.1	0.0	+ 5.1
	22	42	30.09	43.5	42.1			44	+ 23	7.2	+ 15 51.4	+ 38 58.6
	23	30	30.10	41.3	40.0							
10	13	9	29.98	46.2	44.9							
	14	13	29.975	49.3	48.9							
	16	3	29.96	59.5	58.6							
11	17	16	29.93	61.7	60.0							
	18	30	29.90	63.4	63.6							
	19	7	29.88	64.8	63.9							
12	1	3	29.685	55.3	53.6							
	1	32	29.69	54.5	52.4							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	ξ ¹ Ceti	II	8 18.15	- 0.22	-34.22	329 24 6.40	30.012	- 33.9	13.5	2 7 . .	. .		. .
2	β Tauri	II	20 35.32	- 0.30	-34.21	349 34 6.22	26.236	- 10.7	12.0	5 20 . .	. .		. .
3	ε Orionis	II	31 44.85	- 0.13	-34.16	319 46 10.30	28.959	- 49.1	15.4	5 31 . .	. .		. .
4	Neptune C, C	II	42 12.85	- 0.25	-34.17	343 6 3.30	29.651	- 17.6	13.7	5 41 38.43	. .	+ 22 4 49.3	. .
5	α Orionis	II	50 22.06	- 0.17	-34.14	328 26 6.50	26.985	- 35.7	14.5	5 49 . .	. .		. .
6	γ Orionis	II	2 28.49	- 0.21	-34.16	335 50 4.82	25.615	- 26.1	13.0	6 1 . .	. .		. .
December 12, U.													
7	α Bootis	II	11 40.15	- 0.15	-34.19	340 44 3.52	28.092	- 20.6	12.8	14 11 . .	. .		. .
8	β Herculis	II	26 28.84	- 0.18	-34.14	342 44 3.98	28.712	- 17.7	11.7	16 25 . .	. .		. .
December 13, U.													
9	Sun I, S.	II	22 28.13	+ 0.16	-34.11	297 36 15.35	28.070	- 1 48.2	12.3	17 21 54.18	+71.00	- 23 27 12.5	. .
10	Sun II, N.	II	24 50.13	+ 0.16	-34.11	298 8 11.60	29.290	- 1 45.8	12.3	17 24 16.18	-71.00	- 22 54 39.0	. .
11	α Ophiuchi	II	30 51.14	- 0.12	-34.10	333 40 7.45	28.089	- 28.1	12.2	17 30 . .	. .		. .
12	α Lyrae	II	34 6.55	- 0.36	-34.12	359 44 1.65	26.382	- 0.2	12.5	18 33 . .	. .		. .
13	Venus I, C.	II	0 34.84	+ 0.14	-34.08	296 56 10.70	29.315	- 1 51.0	12.3	19 0 0.90	+ 0.41	- 24 6 44.4	. .
14	β Aquilæ	II	50 57.91	- 0.08	-34.03	327 12 3.98	27.515	- 36.5	12.4	19 50 . .	. .		. .
15	α Ursæ Minoris	II	24 6.97	- 17.70	-33.04	49 47 57.12	26.890	+ 1 8.9	[15.5]	1 23 . .	. .		. .
16	β Arietis	II	49 42.71	- 0.08	-33.99	341 20 4.58	30.805	- 19.6	14.9	1 49 . .	. .		. .
17	α Arietis	II	2 8.13	- 0.10	-34.06	344 0 8.45	31.070	- 16.6	13.9	2 1 . .	. .		. .
18	Moon I, S.	II	50 16.80	- 0.07	-34.02	339 58 5.28	26.943	- 21.3	14.3	2 49 42.71	+69.46	+ 18 55 30.0	. .
19	α Ceti	II	57 39.01	+ 0.03	-34.01	324 43 56.20	28.858	- 41.3	14.1	2 57 . .	. .		. .
20	ζ Arietis	II	9 45.41	- 0.08	-34.03	341 42 7.65	29.030	- 19.3	14.4	3 9 . .	. .		. .
21	α Canum Venat.	II	51 55.36	- 0.23	-33.96	359 54 3.02	25.721	- 0.1	[14.0]	12 51 . .	. .		. .
22	α Virginis	II	20 29.27	+ 0.32	-33.86	310 24 13.35	28.688	- 1 10.7	[14.7]	13 19 . .	. .		. .
23	α Ursæ Minoris S. P.	7	23 23.61	+27.36	-35.08	52 14 2.80	27.102	+ 1 17.9	[14.9]	1 23 . .	. .		. .
December 13, L.													
24	α Coronæ Borealis . . .	II	31 0.59	+ 0.02	-34.03	348 4 18.60	29.272	- 12.6	14.1	15 30 . .	. .		. .
25	α Serpentis	II	39 53.86	+ 0.22	-33.95	327 46 19.12	28.941	- 37.6	15.9	15 39 . .	. .		. .
26	Mercury C, C.	II	19 3.75	+ 0.45	-33.99	302 34 17.90	27.201	- 1 32.9	14.5	16 18 30.21	- 0.16	- 18 29 21.6	. .
27	β Herculis	. .		. .	. .	342 44 16.32	28.381	- 18.4	14.2	16 25 . .	. .		. .
December 14, L.													
28	Sun S.	. .		. .	. .	297 32 14.40	29.075	- 1 53.1	14.5	17 27 . .	. .	- 23 30 51.9	. .
29	Sun N.	. .		. .	. .	298 4 17.95	29.935	- 1 50.7	14.5		. .	- 22 58 21.3	. .
30	α Lyrae	. .		. .	. .	359 44 13.62	26.000	- 0.2	13.8	18 33 . .	. .		. .
December 14, La.													
31	α ² Libræ	II	45 53.75	+ 0.42	-33.54	305 24 7.02	30.780	- 1 23.4	[6.3]	14 45 . .	. .		. .
32	α Coronæ Borealis . . .	II	31 0.12	+ 0.16	-33.68	348 4 7.65	29.658	- 12.6	14.4	15 30 . .	. .		. .
33	α Serpentis	II	39 53.45	+ 0.29	-33.59	327 46 1.18	29.595	- 37.5	17.0	15 39 . .	. .		. .
34	Mercury C, C.	II	18 26.10	+ 0.43	-33.61	302 36 2.25	27.709	- 1 32.9	14.9	16 17 52.92	- 0.15	- 18 27 23.2	. .
December 15, La.													
35	Sun I, S.	II	31 17.75	+ 0.47	-33.61	297 30 12.42	26.562	- 1 53.9	14.9	17 30 44.61	+71.19	- 23 34 6.7	. .
36	Sun II, N.	II	33 40.14	+ 0.47	-33.61	298 2 13.95	27.665	- 1 51.3	14.9	17 33 7.00	-71.20	- 23 1 31.0	. .
37	α Lyrae	II	34 5.70	+ 0.06	-33.69	359 44 8.42	26.165	- 0.2	13.6	18 33 . .	. .		. .
38	δ Aquilæ	II	21 0.32	+ 0.33	-33.61	323 58 . .	. .	. .	. .	19 20 . .	. .		. .
39	γ Aquilæ	II	42 3.31	+ 0.28	-33.60	331 24 8.98	28.846	- 32.6	13.8	19 41 . .	. .		. .
40	α Aquilæ	II	46 27.21	+ 0.29	-33.56	329 38 7.88	29.195	- 35.1	15.6	19 45 . .	. .		. .
41	ε Tauri	II	23 22.06	+ 0.35	-33.43	340 0 8.70	27.068	- 22.3	15.2	4 22 . .	. .		. .
42	α Tauri	II	30 46.38	+ 0.38	-33.50	337 20 3.82	29.367	- 25.6	14.7	4 30 . .	. .		. .
43	Moon I, S.	II	47 40.43	+ 0.33	-33.47	343 34 0.48	28.286	- 18.1	15.2	4 47 7.29	+69.96	+ 22 32 5.7	. .
44	II Orionis	II	59 26.77	+ 0.39	-33.51	336 18 7.12	27.982	- 27.0	14.8	4 58 . .	. .		. .
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.		Barom.	Att. Ther.	Ex. Ther.				No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.	
d	h m	in.	°	°					' "	' "	"	' "	"
12	2 12	29.695	53.0	51.0	9, 28, 35.	Bisections at I, II.			4	+ 0.1	. .	+ 0.1	. .
	5 17	29.69	48.2	46.0	10, 29, 36, 37, 44.	Bisections at VI, VII.			9	+ 8.0	+16 16.7	+16 24.7	. .
	6 8	29.69	46.8	44.9	12, 42.	Bisections at II, VI, VII.			10	+ 7.9	-16 16.7	-16 8.8	. .
	14 18	29.74	42.1	40.3	14.	Bisections at I, II, VI.			13	+ 5.2	. .	+ 5.2	. .
13	16 30	29.77	53.2	55.3	15.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .			18	+19 30.4	+15 44.2	+35 14.6	. .
	17 24	29.76	56.0	57.5	18, 43.	Bisections at II, III, IV, V, VI.			26	+ 9.5	. .	+ 9.5	. .
	18 36	29.775	58.9	58.7	23.	Bisections at C ₃ , C ₂ .			28	+ 8.0	+16 15.3	+16 23.3	. .
	1 12	29.90	50.4	49.5	31.	Bisection at VI.			29	+ 7.9	-16 15.2	-16 7.3	. .
	3 12	29.95	47.9	46.4					34	+ 9.2	. .	+ 9.2	. .
	12 48	30.02	39.0	33.0					35	+ 8.0	+16 17.8	+16 25.8	. .
	13 30	30.03	36.0	33.6					36	+ 7.9	-16 17.8	-16 9.9	. .
	15 33	30.08	41.2	38.7					43	+15 46.7	+15 27.7	+31 14.4	. .
	16 21	30.05	42.9	39.9									
14	17 28	30.025	44.2	41.6									
	14 49	29.94	40.0	35.6									
	15 32	29.97	39.2	37.9									
	16 26	30.00	41.2	38.9									
15	17 33	29.995	41.1	38.9									
	18 36	30.03	40.2	37.3									
	19 52	30.05	39.2	36.2									
	4 27	30.21	28.6	27.7									
	5 6	30.21	28.2	27.0									

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instrument.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	δ Orionis	11	27 29.00	+ 0.52	-33.42	320 40 1.35	28.355	- 50.4	15.0	5 26 . . .	.	.	.
2	ε Orionis	11	31 43.51	+ 0.53	-33.45	319 46 15.80	28.868	- 52.0	15.8	5 31 . . .	.	.	.
3	Neptune C, C. . . .	11	41 49.61	+ 0.33	-33.45	343 6 5.52	29.365	- 18.7	15.2	5 41 16.49	.	+ 22 4 40.8	.
4	ν Orionis	11	2 27.21	+ 0.40	-33.45	335 48 9.00	29.811	- 27.6	15.5	6 1 . . .	.	.	.
	December 15, U.												
5	ρ Bootis	11	28 4.22	+ 0.27	-33.63	351 50 8.15	28.405	- 8.9	14.5	14 27 . . .	.	.	.
6	ε Bootis	11	41 10.13	+ 0.31	-33.63	348 31 57.25	27.138	- 12.5	14.9	14 40 . . .	.	.	.
7	α Coronæ Borealis . .	11	30 59.93	+ 0.31	-33.61	348 4 3.35	29.830	- 13.0	14.9	15 30 . . .	.	.	.
8	β Herculis	11	26 27.83	+ 0.36	-33.63	342 44 4.85	28.788	- 19.1	14.3	16 25 . . .	.	.	.
9	α Herculis	11	10 37.78	+ 0.43	-33.56	335 32 4.10	28.824	- 27.8	14.3	17 10 . . .	.	.	.
10	α Ophiuchi	11	30 50.05	+ 0.45	-33.55	333 40 2.08	28.470	- 30.2	16.2	17 30 . . .	.	.	.
	December 16, U.												
11	Sun I, N.	11	35 43.16	+ 0.77	-33.59	298 0 10.38	26.328	- I 54.6	14.8	17 35 10.34	+71.26	- 23 4 16.0	.
12	Sun II, S.	11	38 5.68	+ 0.77	-33.59	297 26 1.90	29.710	- I 57.1	14.8	17 37 32.86	-71.26	- 23 36 50.5	.
13	α Lyrae	11	34 5.52	+ 0.16	-33.61	359 43 57.75	26.528	- 0.2	13.6	18 33 . . .	.	.	.
14	ζ Aquilæ	11	1 21.49	+ 0.44	-33.60	334 44 4.28	30.351	- 28.7	14.1	19 0 . . .	.	.	.
15	Venus C.					297 18 1.90	29.332	- I 57.4	14.8	19 16 . . .	.	- 23 45 1.6	.
16	α Aquilæ	11	46 27.01	+ 0.48	-33.55	329 38 1.65	29.465	- 35.6	16.8	19 45 . . .	.	.	.
17	β Andromedæ	11	4 42.85	+ 0.21	-33.57	356 8 9.05	26.638	- 4.1	[14.1]	1 4 . . .	.	.	.
18	α Ursæ Minoris . . .	10	24 10.00	-22.10	[-33.71]	49 48 6.17	26.511	+ I 13.0	[17.2]	1 23 . . .	.	.	.
19	ο Piscium	11	40 41.43	+ 0.46	-33.53	329 42 8.10	27.220	- 36.0	[16.3]	1 40 . . .	.	.	.
20	β Tauri	7	20 34.03	+ 0.29	-33.46	349 32 10.55	30.395	- 11.3	14.0	5 20 . . .	.	.	.
21	δ Orionis	11	27 29.00	+ 0.56	-33.46	320 40 1.25	28.418	- 50.6	16.6	5 26 . . .	.	.	.
22	ε Orionis	11	31 43.45	+ 0.57	-33.42	319 46 5.78	29.215	- 52.2	15.7	5 31 . . .	.	.	.
23	Moon II, S.	11	48 14.06	+ 0.36	-33.43	343 20 10.48	26.064	- 18.4	15.4	5 47 40.99	-69.11	+ 22 17 11.9	.
24	ν Orionis	11	2 27.16	+ 0.43	-33.41	335 48 14.80	29.605	- 27.6	15.5	6 1 . . .	.	.	.
	December 17, S.												
25	μ Geminorum	11	17 30.36	+ 0.44	-33.59	343 36 6.35	27.621	- 17.8	17.0	6 16 . . .	.	.	.
26	γ Geminorum	11	32 31.65	+ 0.49	-33.60	337 30 4.08	30.401	- 25.1	16.3	6 31 . . .	.	.	.
27	Moon II, S.	11	44 32.43	+ 0.46	-33.62	341 46 6.18	31.264	- 19.9	16.5	6 43 59.27	-67.62	+ 20 45 33.2	.
28	δ Geminorum	11	14 44.66	+ 0.45	-33.59	343 12 7.10	27.660	- 18.3	16.1	7 14 . . .	.	.	.
29	α ² Geminorum	11	28 49.12	+ 0.36	-33.69	353 9 58.52	24.343	- 7.3	16.6	7 28 . . .	.	.	.
	December 17, La.												
30	β Libræ	11	12 10.17	+ 0.75	-33.53	312 2 0.10	28.082	- I 7.1	16.3	15 11 . . .	.	.	.
31	α Coronæ Borealis . .	11	30 59.91	+ 0.45	-33.68	348 4 0.30	29.962	- 12.7	16.6	15 30 . . .	.	.	.
32	α Serpentis	10	39 53.25	+ 0.63	-33.66	327 46 0.92	29.560	- 37.9	15.9	15 39 . . .	.	.	.
	December 18, La.												
33	Sun I, S.	11	44 35.37	+ 0.86	-33.67	297 21 59.52	29.630	- I 54.0	15.6	17 44 2.56	+71.18	- 23 40 53.0	.
34	Sun II, N.	11	46 57.75	+ 0.86	-33.68	297 54 4.22	30.445	- I 51.4	15.6	17 46 24.93	-71.19	- 23 8 22.4	.
35	α Lyrae	11	34 5.48	+ 0.32	-33.72	359 44 2.00	26.381	- 0.2	14.2	18 33 . . .	.	.	.
36	β Lyrae	11	46 55.74	+ 0.38	-33.74	354 16 0.22	29.549	- 5.9	14.8	18 46 . . .	.	.	.
37	ζ Aquilæ	11	1 21.55	+ 0.55	-33.77	334 44 4.72	30.294	- 27.7	14.2	19 0 . . .	.	.	.
38	Venus I, C.	6	27 41.62	+ 0.81	-33.70	297 36 6.00	29.262	- I 51.5	15.6	19 27 8.73	+ 0.43	- 23 26 54.4	.
39	Venus II	5	27 42.42	+ 0.81	-33.70					19 27 9.53	- 0.37	.	.
40	γ Aquilæ	11	42 3.08	+ 0.57	-33.66	331 24 6.42	28.945	- 31.9	15.2	19 41 . . .	.	.	.
41	α Aquilæ	11	46 27.00	+ 0.58	-33.64	329 38 4.60	29.329	- 34.3	17.5	19 45 . . .	.	.	.
42	β Andromedæ	11	4 42.60	+ 0.34	-33.47	356 8 0.80	26.970	- 3.9	[15.5]	1 4 . . .	.	.	.
43	α Ursæ Minoris . . .	7	24 1.64	-16.03	[-33.01]	49 47 53.60	27.111	+ I 9.6	[17.9]	1 23 . . .	.	.	.
44	ο Piscium	11	40 41.33	+ 0.52	-33.51	329 41 55.08	27.718	- 34.4	[19.2]	1 40 . . .	.	.	.
45	δ Geminorum	11	14 44.61	+ 0.43	-33.50	343 12 2.22	27.800	- 17.8	15.7	7 14 . . .	.	.	.

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
15 5 54	30.20	27.8	26.0	1, 12, 17, 20, 22, 32, 34, 42.	Bisections at VI, VII.	3	+ 0.1	.	.	+ 0.1
14 24 30.33	26.2	25.0			Bisections at I, II.	11	+ 7.9	-16 17.2	.	-16 9.3
15 36 30.34	28.7	27.3			Bisections at I, II.	12	+ 8.0	+16 17.2	.	+16 25.2
16 18 30.34	30.0	28.9			Bisections at II, VI, VII.	15	+ 5.1	.	+ 0.1	+ 5.2
17 38 30.31	32.8	31.0			Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	23	+15 51.7	+15 18.9	.	+31 10.6
18 42 30.30	34.5	32.1			Bisections at II, III, IV, V, VI.	27	+17 7.4	+15 10.3	.	+32 17.7
19 42 30.30	35.0	33.0				33	+ 8.0	+16 15.2	.	+16 23.2
1 12 30.31	28.0	27.8				34	+ 7.9	-16 15.3	.	-16 7.4
1 48 30.30	27.5	27.1				38	+ 5.1	.	+ 0.1	+ 5.2
5 24 30.30	27.0	26.3								
6 12 30.28	27.2	27.4								
6 20 30.23	34.0	33.8								
7 29 30.225	33.9	33.0								
15 14 30.28	35.8	35.6								
15 37 30.29	38.3	37.9								
17 46 30.26	44.4	45.1								
18 36 30.235	46.7	48.5								
19 48 30.235	51.0	51.1								
1 4 30.22	48.8	49.1								
1 43 30.22	48.7	48.5								
7 17 30.13	46.7	45.7								

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
			m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
1	α^2 Geminorum . . .	11	28 49.00	+ 0.36	-33.54	353 6 14.30	32.180	- 7.1	15.8	7 28 . .			
2	Moon II, S.	11	38 9.00	+ 0.46	-33.48	339 10 4.62	29.510	- 22.4	15.4	7 37 35.98	-65.81	+ 18 8 40.3	
3	β Geminorum . . .	10	39 47.39	+ 0.39	-33.44	349 18 2.35	27.670	- 11.1	16.4	7 39 . .			
4	φ Geminorum . . .	11	47 58.18	+ 0.40	-33.45	348 4 4.12	26.316	- 12.4	13.5	7 47 . .			
December 19, Br.													
5	ϵ Orionis	11	31 43.55	+ 0.61	-33.53	319 45 58.20	29.709	- 50.8	24.0	5 31 . .			
6	Neptune C, C. . . .	11	41 20.42	+ 0.33	-33.52	343 6 1.50	29.344	- 18.2	23.0	5 40 47.23		+ 22 4 28.9	
7	α Orionis	11	50 20.85	+ 0.52	-33.53	328 26 0.00	27.520	- 37.0	22.6	5 49 . .			
8	γ Orionis	11	2 27.29	+ 0.43	-33.50	335 49 59.60	26.146	- 27.0	22.5	6 1 . .			
9	β Geminorum	11	39 47.82	+ 0.26	-33.72	349 17 58.90	27.956	- 11.4	20.8	7 39 . .			
10	φ Geminorum	9	47 58.45	+ 0.28	-33.58	348 4 1.40	26.638	- 12.7	19.8	7 47 . .			
11	Moon II, S.	11	28 51.64	+ 0.47	-33.63	335 42 2.30	29.793	- 27.2	21.0	8 28 18.48	-64.01	+ 14 40 35.6	
12	ϵ Hydræ	11	42 3.87	+ 0.57	-33.58	327 49 48.92	27.371	- 38.0	21.4	8 41 . .			
13	κ Cancri	11	2 54.95	+ 0.51	-33.62	332 7 58.28	24.896	- 32.0	22.1	9 2 . .			
December 19, U.													
14	α Coronæ Borealis .	11	31 0.15	+ 0.28	-33.71	348 4 1.60	30.154	- 12.7	23.9	15 30 . .			
15	α Serpentis	11	39 53.24	+ 0.60	-33.58	327 46 2.42	29.710	- 38.0	22.0	15 39 . .			
16	β Herculis	11	26 27.96	+ 0.37	-33.70	342 44 2.32	29.086	- 18.6	21.7	16 25 . .			
17	α Ophiuchi	11	30 50.06	+ 0.50	-33.57	333 40 0.40	28.720	- 29.6	23.1	17 30 . .			
December 20, U.													
18	Sun I, S.	11	53 27.73	+ 1.03	-33.62	297 20 3.45	29.220	- 1 55.0	22.4	17 52 55.14	+71.34	- 23 43 8.5	
19	Sun II, N.	11	55 50.40	+ 1.03	-33.62	297 52 3.50	30.345	- 1 52.4	22.4	17 55 17.81	-71.33	- 23 10 33.7	
20	α Lyrae	11	34 5.73	+ 0.03	-33.68	359 44 1.70	26.621	- 0.2	21.3	18 33 . .			
21	β Lyrae	11	46 55.92	+ 0.15	-33.68	354 16 0.82	29.750	- 5.9	21.7	18 46 . .			
22	ζ Aquilæ	11	1 21.45	+ 0.48	-33.59	334 44 4.25	30.555	- 28.0	21.3	19 0 . .			
23	Venus I, C.	11	38 26.71	+ 0.99	-33.60	297 58 5.50	27.322	- 1 51.3	22.4	19 37 54.10	+ 0.41	- 23 5 56.8	
24	γ Aquilæ	11	42 3.02	+ 0.52	-33.55	331 24 6.45	29.185	- 32.3	22.0	19 41 . .			
25	α Aquilæ	11	46 26.90	+ 0.54	-33.51	329 38 4.98	29.558	- 34.7	24.3	19 45 . .			
26	β Andromedæ	11	4 42.54	+ 0.51	-33.61	356 8 4.12	26.986	- 4.0	[19.2]	1 4 . .			
27	α Ursæ Minoris . . .	11	24 8.89	-24.29	[-33.82]	49 48 1.12	28.929	+ 1 11.1	[18.1]	1 23 . .			
28	σ Piscium	11	40 40.99	+ 0.80	-33.47	329 42 1.62	27.540	- 35.1	[20.0]	1 40 . .			
29	β Tauri	11	20 33.82	+ 0.62	-33.54	349 34 4.22	26.661	- 11.1	21.4	5 20 . .			
30	δ Orionis	11	27 28.73	+ 0.94	-33.52	320 40 1.05	28.502	- 49.4	20.6	5 26 . .			
31	ϵ Orionis	11	31 43.24	+ 0.95	-33.55	319 45 58.08	29.618	- 50.9	21.4	5 31 . .			
32	Neptune C, C. . . .	11	41 12.63	+ 0.70	-33.62	343 6 1.02	29.171	- 18.3	20.8	5 40 39.81		+ 22 4 25.6	
33	γ Orionis	11	2 26.91	+ 0.79	-33.47	335 47 58.28	30.305	- 27.0	19.8	6 1 . .			
34	ϵ Hydræ	11	42 3.53	+ 0.90	-33.54	327 50 1.40	26.885	- 37.9	20.4	8 41 . .			
35	κ Cancri	11	2 54.53	+ 0.86	-33.53	332 6 5.02	28.780	- 31.9	19.8	9 2 . .			
36	Moon S.					331 38 8.12	27.154	- 32.5	19.6	9 16 . .		+ 10 35 22.4	
37	α Hydræ	11	23 14.69	+ 1.08	-33.55	312 50 6.00	26.370	- 1 5.0	18.9	9 22 . .			
38	ϵ Leonis	11	40 45.32	+ 0.69	-35.57	345 16 4.80	27.729	- 15.8	19.5	9 40 . .			
39	δ Virginis	11	5 19.33	+ 1.05	-33.51	316 1 52.15	29.185	- 58.5	[20.2]	13 4 . .			
40	α Virginis	11	20 28.35	+ 1.12	-33.52	310 24 . .				13 19 . .			
41	α Ursæ Minoris s. P.	8	23 12.85	+32.84	[-35.40]	52 14 1.88	27.208	+ 1 18.4	[19.2]	1 23 . .			
December 20, L.													
42	β Libræ	11	12 10.01	+ 1.04	-33.58	312 1 43.15	28.708	- 1 7.0	17.7	15 11 . .			
43	α Coronæ Borealis .	11	30 59.74	+ 0.63	-33.62	348 3 45.60	30.471	- 12.7	17.1	15 30 . .			
44	α Serpentis	11	39 53.01	+ 0.87	-33.59	327 45 48.60	30.066	- 37.9	18.6	15 39 . .			
45	α Scorpii	11	23 48.64	+ 1.19	-33.58	294 49 43.38	31.480	- 2 8.2	18.5	16 23 . .			
46	Mercury II, C. . . .	11	27 21.73	+ 1.11	-33.60	301 49 54.45	30.990	- 1 35.8	18.1	16 26 49.24	- 0.26	- 19 12 3.6	

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m	in.	°	°				' "	' "	"	' "
18 7 51	30.12	46.0	45.3	1, 3, 10, 19, 24.	Bisections at VI, VII.	2	+19 20.5	+15 2.2		+34 22.7
19 5 26	30.17	37.8	37.0	2, 11, 36.	Bisections at II, III, IV, V, VI.	6	+ 0.1			+ 0.1
7 42	30.185	36.0	35.7	18.	Bisection at II.	11	+22 15.0	+14 55.4		+37 10.4
8 34	30.19	35.8	35.1	27.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	18	+ 8.0	+16 17.3		+16 25.3
9 7	30.19	35.1	34.7	41.	Bisections at C ₄ , C ₃ , C ₂ , C ₁ .	19	+ 7.9	-16 17.4		-16 9.5
15 36	30.25	36.5	36.5			23	+ 5.2		+ 0.1	+ 5.3
16 24	30.265	38.6	38.4			32	+ 0.1			+ 0.1
17 36	30.24	40.7	40.7			36	+25 36.0	+14 50.3		+40 26.3
18 42	30.21	43.0	42.7			46	+ 8.0		+ 0.4	+ 8.4
19 54	30.20	45.1	44.2							
5 12	30.17	38.0	37.9							
5 12	30.16	34.9	35.2							
6 0	30.15	34.5	36.0							
5 48	30.14	33.2	34.8							
9 36	30.12	33.2	35.3							
13 12	30.13	31.5	31.8							
15 13	30.16	35.1	34.1							
15 42	30.16	37.0	36.0							
16 29	30.16	42.8	40.1							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
December 21, L.													
1	Sun I, N.	II	m s	s	s	° / "	rev.	/ "	"	h m s	s	° / "	"
2	Sun II, S.	II	57 54.14	+ 1.12	-33.61	297 51 45.45	30.102	- I 51.2	18.1	17 57 21.65	+71.39	- 23 10 53.3	.
3	α Lyrae	II	0 16.93	+ 1.12	-33.61	297 19 46.58	28.908	- I 53.8	18.1	17 59 44.44	-71.40	- 23 43 28.7	.
4	β Lyrae	II	34 5.25	+ 0.45	-33.62	359 43 48.75	26.928	- 0.2	17.5	18 33 . . .	.	.	.
5	ζ Aquilæ	II	46 55.49	+ 0.54	-33.65	354 15 47.72	30.041	- 5.8	17.4	18 46 . . .	.	.	.
6	Venus I, N.	II	1 21.22	+ 0.76	-33.63	334 43 51.90	30.848	- 27.7	17.9	19 0 . . .	.	.	.
7	Venus II, S.	6	43 47.86	+ 1.12	-33.63	298 7 49.62	31.040	- I 49.1	18.1	19 43 15.35	+ 0.52	- 22 54 20.3	.
8	α Aquilæ	5	43 48.82	+ 1.12	-33.63	298 7 49.62	30.612	- I 49.1	18.1	19 43 16.31	- 0.44	- 22 54 32.4	.
9	β Andromedæ	8	46 26.77	+ 0.81	-33.65	329 37 44.05	30.120	- 34.3	19.9	19 45 . . .	.	.	.
10	α Ursæ Minoris	II	4 42.49	+ 0.55	-33.61	356 7 42.50	27.740	- 4.0	[19.0]	1 4 . . .	.	.	.
11	β Tauri	7	24 4.46	-20.98	-33.67	49 47 47.48	27.395	+ I 10.5	[20.0]	1 23 . . .	.	.	.
12	δ Orionis	II	20 33.89	+ 0.62	-33.60	349 33 41.05	27.361	- 11.0	18.2	5 20 . . .	.	.	.
13	ε Orionis	II	27 28.79	+ 0.86	-33.50	320 39 38.25	29.295	- 49.3	18.7	5 26 . . .	.	.	.
14	Neptune C, C.	II	31 43.28	+ 0.87	-33.50	319 45 41.48	30.171	- 50.9	20.7	5 31 . . .	.	.	.
15	α Orionis	II	41 5.44	+ 0.68	-33.53	343 5 39.22	29.831	- 18.2	19.5	5 40 32.59	.	+ 22 4 24.0	.
16	ε Leonis	II	50 20.58	+ 0.81	-33.53	328 25 45.25	27.946	- 37.0	20.3	5 49 . . .	.	.	.
17	μ Leonis	II	40 45.37	+ 0.68	-33.58	345 15 41.40	28.556	- 15.9	19.7	9 40 . . .	.	.	.
18	Moon II, S.	II	47 39.49	+ 0.66	-33.64	347 29 39.90	29.722	- 13.4	19.0	9 47 . . .	.	.	.
19	γ Leonis	II	3 6.41	+ 0.88	-33.57	327 5 38.78	32.339	- 39.2	19.6	10 2 33.72	-61.47	+ 6 5 13.8	.
20	ρ Leonis	II	15 2.12	+ 0.73	-33.58	341 23 42.48	26.060	- 20.4	19.1	10 14 . . .	.	.	.
21	α Canum Venat.	II	28 6.97	+ 0.84	-33.49	330 51 43.80	27.550	- 33.8	20.8	10 27 . . .	.	.	.
22	α Ursæ Minoris S. P.	6	51 54.59	+ 0.50	-33.63	359 53 49.12	26.308	- 0.1	[18.8]	12 51 . . .	.	.	.
			23 11.92	+28.69	-31.29	52 13 40.90	27.939	+ I 16.7	[17.6]	1 23 . . .	.	.	.
December 21, B.													
23	β Libræ	II	12 9.70	+ 1.10	-33.30	312 1 25.32	29.322	- I 6.6	17.9	15 11 . . .	.	.	.
24	α Coronæ Borealis	II	30 59.41	+ 0.71	-33.35	348 3 24.85	31.178	- 12.6	16.9	15 30 . . .	.	.	.
25	α Serpentis	II	39 52.73	+ 0.93	-33.35	327 45 26.42	30.831	- 37.5	18.8	15 39 . . .	.	.	.
26	ε Serpentis	II	46 22.02	+ 0.95	-33.34	325 49 25.38	27.375	- 40.3	17.0	15 45 . . .	.	.	.
27	Mercury II, C.	II	30 30.41	+ 1.20	-33.35	301 37 27.42	28.261	- I 35.4	17.2	16 29 58.26	- 0.25	- 19 25 47.1	.
December 22, B.													
28	Sun I, N.	II	2 20.43	+ 1.27	-33.37	297 51 27.10	30.790	- I 50.1	16.5	18 1 48.33	+71.33	- 23 10 49.3	.
29	Sun II, S.	II	4 43.10	+ 1.27	-33.37	297 19 25.18	29.700	- I 52.4	16.5	18 4 11.00	-71.34	- 23 43 24.6	.
30	α Lyrae	II	34 4.87	+ 0.54	-33.33	359 43 22.95	27.749	- 0.2	15.4	18 33 . . .	.	.	.
31	β Lyrae	II	46 55.17	+ 0.64	-33.42	354 15 21.35	30.915	- 5.8	16.2	18 46 . . .	.	.	.
32	ζ Aquilæ	II	1 20.94	+ 0.92	-33.51	334 43 24.50	31.721	- 27.4	15.8	19 0 . . .	.	.	.
33	δ Aquilæ	II	20 59.26	+ 1.07	-33.27	323 57 25.45	28.104	- 42.3	17.1	19 20 . . .	.	.	.
34	Venus I, C.	5	49 7.46	+ 1.44	-33.37	298 19 23.70	32.101	- I 47.2	15.7	19 48 35.53	+ 0.50	- 22 42 11.6	.
35	Venus II	6	49 8.37	+ 1.44	-33.37					19 48 36.44	- 0.41		.
36	β Tauri	II	20 34.00	+ 0.13	-33.21	349 34 2.50	29.910	- 11.0	[52.3]	5 20 . . .	.	.	.
37	δ Orionis	II	27 28.55	+ 0.81	-33.20	320 40 7.95	31.614	- 49.0	56.9	5 26 . . .	.	.	.
38	Neptune C, C.	II	40 58.23	+ 0.30	-33.19	343 6 7.45	32.138	- 18.1	56.8	5 40 25.34	.	+ 22 4 20.7	.
39	α Orionis	II	50 20.42	+ 0.64	-33.19	328 26 8.08	30.515	- 36.7	56.8	5 49 . . .	.	.	.
40	ν Orionis	II	2 26.93	+ 0.47	-33.15	325 50 7.40	29.165	- 26.8	56.8	6 1 . . .	.	.	.
41	ρ Leonis	II	28 6.92	+ 0.63	-33.20	330 54 8.85	25.782	- 33.5	55.9	10 27 . . .	.	.	.
42	l Leonis	II	44 34.16	+ 0.60	-33.18	332 8 6.92	28.305	- 31.8	57.1	10 44 . . .	.	.	.
43	Moon II, S.	II	48 6.65	+ 0.84	-33.19	322 24 6.60	29.564	- 46.3	56.8	10 47 34.30	-61.04	+ 1 20 38.6	.
44	δ Leonis	II	9 21.63	+ 0.36	-33.18	342 8 10.42	27.286	- 19.4	57.1	11 8 . . .	.	.	.
45	δ Crateris	II	14 53.72	+ 1.19	-33.18	306 50 7.45	28.799	- I 20.3	56.8	11 14 . . .	.	.	.
Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.													
Time.	Barom.	Att. Ther.	Ex. Ther.					No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.	
d h m in.	°	°							/ "	/ "	"	/ "	
21 18 0	30.12	44.6	44.7	1, 28, 42.	Bisections at I, II.			1	+	7.9	-16 17.6	.	-16 9.7
18 42	30.10	46.7	46.2	2, 8, 29.	Bisections at VI, VII.			2	+	8.0	+16 17.7	.	+16 25.7
19 5	30.11	47.7	47.2	6.	Bisections at II, VI.			6	+	5.2	- 6.1	+ 0.1	- 0.8
19 48	30.10	49.0	47.9					7	+	5.2	+ 6.1	.	+ 11.3
1 21	30.08	41.8	40.7	7.	Bisections at I, VII.			14	+	0.1	.	.	+ 0.1
5 10	30.06	37.0	35.2	10, 22.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .			18	+	11.2	+14 47.5	.	+43 58.7
5 46	30.05	36.5	34.4	18, 43.	Bisections at II, III, IV, V, VI.			27	+	7.8	.	+ 0.4	+ 8.2
9 39	30.04	32.0	30.2					28	+	7.9	-16 17.6	.	-16 9.7
10 33	30.04	31.9	30.6					29	+	8.0	+16 17.6	.	+16 25.6
13 28	30.10	39.5	42.8					34	+	5.2	.	+ 0.1	+ 5.3
15 15	30.10	37.8	36.7					38	+	0.1	.	.	+ 0.1
15 49	30.12	42.0	42.9					43	+32	50.9	+14 47.4	.	+47 38.3
19 52	30.065	51.8	51.9										
5 22	30.00	37.8	37.0										
6 6	29.98	37.5	37.2										
10 19	29.93	33.5	33.2	36 to 45.	The degrees and minutes of equator point are 321° 7'.								
11 18	29.92	33.0	32.0										

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
	December 25, Ia.	m s	s	s	° ' "	rev.	' "	' "	' "	h m s	s	° ' "	' "
1	γ Corvi	11	11 13.04	+ 1.39	-33.61	304 4 12.02	27.948	- 1 30.6	23.4	12 10 . .	. .		. .
2	η Virginis	11	15 21.08	+ 0.99	-33.66	320 56 3.70	27.781	- 49.8	24.9	12 14 . .	. .		. .
3	Moon II, S.	11	5 53.94	+ 1.33	-33.68	308 14 9.48	28.844	- 1 17.7	23.5	13 5 21.59	-63.70	- 12 48 37.1	. .
4	α Virginis	11	20 28.55	+ 1.26	-33.69	310 24 5.10	29.228	- 1 12.0	22.7	13 19 . .	. .		. .
5	ζ Virginis	11	30 9.15	+ 1.01	-33.76	320 55 51.88	31.505	- 49.7	23.0	13 29 . .	. .		. .
	December 25, Br.												
6	α Serpentis	11	39 53.41	+ 0.88	-33.88	327 46 8.52	29.542	- 38.5	24.1	15 39 . .	. .		. .
7	δ Ophiuchi	11	9 39.02	+ 1.12	-34.00	317 36 7.92	28.918	- 55.7	22.9	16 9 . .	. .		. .
8	α Scorpii	11	23 48.65	+ 1.69	-33.96	294 52 3.15	26.842	- 2 11.0	23.3	16 23 . .	. .		. .
9	μ Herculis	11	43 5.67	+ 0.33	-34.07	348 48 4.98	29.555	- 12.0	23.3	17 42 . .	. .		. .
	December 26, Br.												
10	Sun I, N.	11	20 6.88	+ 1.60	-34.03	297 58 8.48	27.708	- 1 53.6	22.0	18 19 34.45	+71.29	- 23 5 44.7	. .
11	Sun II, S.	11	22 29.45	+ 1.60	-34.03	297 26 11.25	26.300	- 1 56.2	22.0	18 21 57.02	-71.28	- 23 38 24.7	. .
12	α Lyrae	11	34 6.32	+ 0.04	-34.18	359 44 7.08	26.259	- 0.2	18.3	18 33 . .	. .		. .
13	γ Aquilæ	11	42 3.25	+ 0.78	-34.04	331 24 9.60	29.022	- 32.9	20.9	19 41 . .	. .		. .
14	α Aquilæ	5	46 27.09	+ 0.82	-33.97	329 37 58.68	29.772	- 35.3	24.3	19 45 . .	. .		. .
15	Venus I, C.	4	10 18.22	+ 1.55	-34.06	299 16 9.35	29.680	- 1 47.1	20.5	20 9 45.71	+ 0.39	- 21 46 39.4	. .
16	Venus II	5	10 18.94	+ 1.55	-34.06					20 9 46.43	- 0.33		. .
17	β Andromedæ	11	4 43.33	+ 0.12	-34.09	356 8 3.02	27.115	- 4.1	[21.6]	1 4 . .	. .		. .
18	α Ursæ Minoris	8	24 40.69	-63.21	[-32.29]	49 48 2.72	26.914	+ 1 12.8	[23.2]	1 23 . .	. .		. .
19	α Piscium	11	40 41.42	+ 0.87	-34.02	329 42 1.38	27.716	- 35.9	[24.4]	1 40 . .	. .		. .
20	β Arietis	11	49 42.01	+ 0.57	-34.05	341 20 5.75	31.078	- 20.7	[23.1]	1 49 . .	. .		. .
21	β Tauri	11	20 34.68	+ 0.34	-34.07	349 34 5.08	26.666	- 11.4	21.9	5 20 . .	. .		. .
22	ε Orionis	11	31 43.62	+ 1.12	-34.06	319 46 11.35	29.334	- 52.4	25.9	5 31 . .	. .		. .
23	Neptune C, C.	11	40 29.81	+ 0.53	-34.04	343 6 7.65	28.515	- 18.8	23.7	5 39 56.30	. .	+ 22 4 10.1	. .
24	α Orionis	11	50 20.99	+ 0.91	-33.99	328 26 2.80	27.455	- 38.1	23.3	5 49 . .	. .		. .
25	η Virginis	11	5 19.95	+ 1.22	-34.10	316 2 7.12	28.754	- 1 0.2	22.3	13 4 . .	. .		. .
26	α Virginis	11	20 29.03	+ 1.37	-34.25	310 24 . .				13 19 . .	. .		. .
27	α Ursæ Minoris S. P.	7	22 31.76	+68.71	[-35.69]	52 14 8.98	26.950	+ 1 20.8	[22.6]	1 23 . .	. .		. .
28	Moon II, S.	11	56 3.62	+ 1.55	-34.22	304 6 6.68	29.252	- 1 32.0	22.4	13 55 30.95	-65.79	- 16 56 41.5	. .
29	α Bootis	11	11 39.87	+ 0.60	-34.24	340 44 11.65	28.061	- 21.8	22.5	14 11 . .	. .		. .
30	ρ Bootis	11	28 5.22	+ 0.26	-34.28	351 52 . .				14 27 . .	. .		. .
	December 28, B.												
31	α Coronæ Borealis	11	31 1.76	+ 0.41	-35.22	348 4 4.22	29.966	- 13.0	23.3	15 30 . .	. .		. .
32	α Serpentis	11	39 54.71	+ 1.01	-35.24	327 46 6.00	29.675	- 38.9	25.5	15 39 . .	. .		. .
33	Moon II	11	47 28.17	+ 1.88	-35.25	298 24 . .				15 46 54.80	-70.59		. .
34	β Scorpii	11	0 10.82	+ 1.73	-35.25	301 32 6.52	27.141	- 1 40.2	25.2	15 59 . .	. .		. .
35	δ Ophiuchi	10	9 40.21	+ 1.28	-35.28	317 36 10.92	28.878	- 56.3	24.7	16 9 . .	. .		. .
36	Mercury II, C.	10	0 44.28	+ 1.76	-35.29	299 46 8.98	30.110	- 1 47.3	24.3	17 0 10.75	- 0.21	- 21 16 31.8	. .
	December 29, B.												
37	γ Aquilæ	11	42 4.48	+ 0.88	-35.36	331 24 5.78	29.236	- 33.4	23.2	19 41 . .	. .		. .
38	α Aquilæ	11	46 28.38	+ 0.92	-35.35	329 38 7.58	29.485	- 35.8	24.9	19 45 . .	. .		. .
39	β Aquilæ	11	50 58.26	+ 0.99	-35.44	327 12 2.30	27.950	- 39.4	22.4	19 50 . .	. .		. .
40	Venus I, C.	6	25 59.32	+ 1.70	-35.40	300 4 3.95	30.681	- 1 45.2	23.8	20 25 25.62	+ 0.53		. .
41	Venus II	5	26 0.28	+ 1.70	-35.40					20 25 26.58	- 0.43	- 20 58 17.5	. .
42	ε Piscium	11	58 20.98	+ 0.96	-35.54	328 24 6.58	27.225	- 38.0	[23.0]	0 57 . .	. .		. .
43	α Ursæ Minoris	11	24 47.90	-68.37	[-36.74]	49 47 59.88	27.002	+ 1 13.3	[23.1]	1 23 . .	. .		. .
44	α Piscium	11	40 42.81	+ 0.93	-35.50	329 42 8.00	27.448	- 36.2	[23.3]	1 40 . .	. .		. .
45	η Virginis	11	5 21.77	+ 1.36	-35.96	316 2 6.00	28.782	- 1 0.3	[22.5]	13 4 . .	. .		. .

Time.	Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.		No.	Parallax.	Semi-diam.	Corr. for Def. Ill.	Sum.
d h m	in.	°	°				' "	' "	' "	' "
25 12 8	29.585	19.2	18.0	3, 28.	Bisections at II, III, IV, V, VI.	3	+43 11.4	+15 4.7	. .	+58 16.1
13 8	29.60	18.4	18.6			10	+ 7.9	-16 20.0	. .	-16 12.1
13 35	29.61	18.7	19.0	6, II, 14, 35.	Bisections at VI, VII.	11	+ 8.0	+16 19.9	. .	+16 27.9
15 43	29.66	21.9	21.0	9, 10, 15, 39.	Bisections at I, II.	15	+ 5.1	. .	+ 0.1	+ 5.2
16 12	29.66	23.4	21.8	18.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ , C ₅ .	23	+ 0.1	. .	. .	+ 0.1
16 27	29.66	24.0	22.1	27.	Bisections at C ₂ , C ₁ , B ₃ .	28	+46 7.4	+15 16.0	. .	+61 23.4
17 46	29.64	25.6	23.1	43.	Bisections at C ₁ , C ₂ , C ₃ , C ₄ .	36	+ 6.9	. .	+ 0.1	+ 7.0
26 18 22	29.62	26.0	24.8			40	+ 5.2	. .	+ 0.1	+ 5.3
19 50	29.62	28.4	26.6							
20 14	29.625	29.1	27.0							
1 10	29.76	22.5	21.0							
1 54	29.775	21.4	20.0							
5 14	29.84	18.0	17.8							
5 54	29.85	18.0	17.2							
13 8	29.94	15.0	15.2							
13 38	29.93	15.5	15.4							
14 18	29.94	16.0	15.9							
15 24	29.72	16.4	16.4							
15 52	29.72	18.0	17.7							
16 13	29.73	18.8	18.0							
16 55	29.73	19.8	18.3							
17 5	29.73	20.1	19.0							
19 15	29.675	21.7	20.4							
19 55	29.67	22.4	20.4							
20 31	29.67	23.0	21.0							
0 53	29.69	18.0	17.2							
1 43	29.70	16.8	16.1							
12 52	29.60	9.8	9.3							

Number.	DATE, OBSERVER, AND OBJECT.	Threads.	MEAN THREAD.	CORRECTIONS.		CIRCLE READING.	MEAN OF TEL. MI- CROM. READ- INGS.	REFRACTION.	EQ. PT. FROM STARS.	APPARENT RIGHT ASCENSION.	Miscellaneous correction.	APPARENT DECLINATION.	Miscellaneous correction.
				Instru- ment.	Clock.								
1	α Ursæ Minoris S. P.	7	m s	s	s	° ' "	rev.	' "	"	h m s	s	° ' "	"
2	ζ Virginis	11	22 22.33	+74.90	[-34.86]	52 14 3.58	27.121	+ 1 21.0	[22.2]	1 23 . .	. .		. .
	December 29, U.		30 11.24	+ 1.22	-35.93	320 58 9.90	26.671	- 50.8	[23.1]	13 29 . .	. .		. .
3	δ Ophiuchi	10	9 41.08	+ 1.28	-36.13	317 36 3.75	29.139	- 56.7	24.6	16 9 . .	. .		. .
4	β Herculis	11	26 30.47	+ 0.56	-36.20	342 44 5.28	28.908	- 19.3	21.5	16 25 . .	. .		. .
5	ζ Ophiuchi	11	32 13.71	+ 1.46	-36.13	310 40 9.25	30.154	- 1 12.1	21.6	16 31 . .	. .		. .
	December 30, U.												
6	Sun II, S	11	40 15.70	+ 1.79	-36.24	297 38 12.85	27.655	- 1 57.6	22.2	18 39 41.25	-71.11	- 23 25 46.0	. .
7	ζ Aquilæ	11	1 23.87	+ 0.78	-36.25	334 44 6.65	30.432	- 29.1	21.1	19 0 . .	. .		. .
Time.		Barom.	Att. Ther.	Ex. Ther.	Telescope micrometer bisections are made at I, II, VI, VII, except as noted below.				No.	Parallax.	Semi-diam.	Corr. for Def. III.	Sum.
d h m		in.	°	°						' "	' "	"	' "
29 13 30		29.605	9.8	9.2	1. Bisections at C ₅ , C ₄ , C ₃ , C ₂ , C ₁ .				6	+ 7.9	+16 17.9	.	+16 25.8
16 18		29.625	13.5	13.1	6. Bisections at I, II.								
17 12		29.625	16.1	14.3									
30 18 39		29.59	17.0	14.8									

RESULTS
OF
OBSERVATIONS.

TRANSIT CIRCLE

POSITIONS AND SEMI-DIAMETERS OF THE

SUN, MOON, AND PLANETS,

WITH CORRECTIONS TO THEIR EPHEMERIDES.

SUN.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1894.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Nov. 9.0	P.	.	14 59 21.54	21.63	-0.09	67.86	67.94	-0.08	.	-17 0 41.7	40.6	-1.1	16 11.3	11.78	-0.5
12.0	S.	.	15 11 31.50	31.63	-0.13	68.40	68.30	+0.10	.	17 50 23.4	24.6	+1.2	12.2	12.46	-0.3
13.0	P.	.	15 15 36.45	36.66	-0.21	68.40	68.42	-0.02	.	18 6 22.8	22.6	-0.2	11.6	12.68	-1.1
14.0	K.	.	15 19 42.40	42.53	-0.13	68.67	68.53	+0.14	.	18 21 57.8	61.7	+3.9	15.0	12.89	+2.1
15.0	L.	.	15 23 49.13	49.26	-0.13	68.72	68.65	+0.07	.	18 37 21.3	21.4	+0.1	15.3	13.10	+2.2
16.0	P.	.	15 27 56.71	56.86	-0.15	68.71	68.76	-0.05	.	18 52 21.8	21.5	-0.3	11.8	13.30	-1.5
20.0	P.	.	15 44 35.66	35.72	-0.06	69.14	69.21	-0.07	.	19 48 57.2	57.2	0.0	12.8	14.08	-1.3
24.0	L.	.	16 1 27.66	27.83	-0.17	69.68	69.64	+0.04	.	20 39 49.2	47.6	-1.6	15.4	14.80	+0.6
26.0	S.	.	16 9 58.39	58.59	-0.20	70.04	69.85	+0.19	.	21 2 55.7	56.0	+0.3	14.7	15.15	-0.5
27.0	P.	.	16 14 14.96	15.10	-0.14	69.86	69.95	-0.09	.	21 13 55.0	54.7	-0.3	14.5	15.31	-0.8
Dec. 3.0	S.	.	16 40 8.38	8.34	+0.04	70.60	70.48	+0.12	.	22 11 9.1	10.1	+1.0	17.3	16.25	+1.1
5.0	K.	.	16 48 50.82	50.91	-0.09	70.82	70.62	+0.20	.	22 26 50.6	51.3	+0.7	17.8	16.54	+1.3
7.0	P.	.	16 57 35.40	35.55	-0.15	70.72	70.76	-0.04	.	22 40 48.3	47.4	-0.9	16.4	16.81	-0.4
14.0	P.	.	17 28 24.90	25.11	-0.21	71.16	71.13	+0.03	.	23 15 23.6	23.4	-0.2	17.3	17.57	-0.3
15.0	L.	.	17 32 50.54	50.68	-0.14	71.11	71.16	-0.05	.	23 18 30.4	29.8	-0.6	18.0	17.66	+0.3
17.0	S.	.	17 41 42.41	42.53	-0.12	71.23	71.21	+0.02	.	23 23 15.9	18.7	+2.8	15.4	17.80	-2.4
18.0	P.	.	17 46 8.51	8.75	-0.24	71.20	71.23	-0.03	.	23 25 0.1	1.2	+1.1	16.9	17.87	-1.0
20.0	P.	.	17 55 1.63	1.64	-0.01	71.23	71.26	-0.03	.	23 27 0.3	1.3	+1.0	17.8	17.99	-0.2
21.0	L.	.	17 59 27.96	28.26	-0.30	71.28	71.26	+0.02	.	23 27 19.2	18.9	-0.3	18.4	18.04	+0.4
1895.															
Feb. 27.0	L.	.	22 42 0.70	0.77	-0.07	65.56	65.57	-0.01	.	8 14 25.1	23.0	-2.1	11.0	10.83	+0.2
Mar. 9.0	L.	II	23 19 12.44	12.59	-0.15	.	.	.	S.	4 23 34.3	33.2	-1.1	.	.	.
19.0	P.	.	23 55 48.98	49.03	-0.05	64.58	64.57	+0.01	.	-0 27 15.4	13.8	-1.6	6.2	5.69	+0.5
Apr. 3.0	P.	.	0 50 23.69	23.80	-0.11	64.50	64.57	-0.07	.	+5 24 23.8	24.4	-0.6	16 0.6	1.56	-1.0
5.0	P.	.	0 57 41.27	41.40	-0.13	64.59	64.63	-0.04	.	6 10 2.9	5.1	-2.2	15 59.6	61.02	-1.4
10.0	K.	.	1 15 58.69	58.82	-0.13	64.94	64.79	+0.15	.	8 2 20.7	18.2	+2.5	60.2	59.67	+0.5
11.0	P.	.	1 19 38.88	39.06	-0.18	64.82	64.83	-0.01	.	8 24 21.3	22.0	-0.7	60.3	59.39	+0.9
17.0	K.	.	1 41 47.35	47.47	-0.12	65.17	65.13	+0.04	.	10 33 38.0	38.5	-0.5	60.1	57.76	+2.3
18.0	L.	.	1 45 29.94	30.18	-0.24	65.36	65.18	+0.18	.	10 54 36.3	37.2	-0.9	62.0	57.49	+4.5
19.0	P.	.	1 49 13.25	13.34	-0.09	65.24	65.24	0.00	.	11 15 24.4	25.2	-0.8	56.8	57.22	-0.4
20.0	L.	.	1 52 56.79	56.91	-0.12	65.37	65.30	+0.07	.	11 36 1.5	2.2	-0.7	56.7	56.96	-0.3
24.0	K.	.	2 7 55.53	55.71	-0.18	65.72	65.56	+0.16	.	12 56 34.2	33.4	+0.8	56.0	55.94	+0.1
25.0	L.	.	2 11 41.37	41.58	-0.21	65.74	65.63	+0.11	.	13 16 10.9	10.3	+0.6	58.7	55.69	+3.0
May 9.0	P.	.	3 5 17.53	17.68	-0.15	66.67	66.73	-0.06	.	17 25 21.5	19.9	+1.6	50.7	52.48	-1.8
22.0	K.	.	3 56 43.03	43.07	-0.04	67.98	67.76	+0.22	S.	20 26 7.0	9.6	-2.6	.	.	.
23.0	P.	.	4 0 44.29	44.36	-0.07	67.83	67.84	-0.01	.	20 37 43.6	45.0	-1.4	49.1	49.72	-0.6
28.0	P.	.	4 20 58.47	58.42	+0.05	68.12	68.19	-0.07	.	21 30 17.4	17.8	-0.4	48.7	48.94	-0.2
June 6.0	P.	.	4 57 50.42	50.34	+0.08	68.62	68.67	-0.05	.	22 41 8.8	9.0	-0.2	46.3	47.78	-1.5
8.0	P.	.	5 6 5.54	5.62	-0.08	68.72	68.76	-0.04	.	22 52 35.1	35.3	-0.2	46.0	47.56	-1.6
July 3.0	P.	.	6 49 51.66	51.54	+0.12	68.62	68.70	-0.08	.	22 57 35.8	36.2	-0.4	44.4	46.21	-1.8
9.0	P.	.	7 14 30.70	30.59	+0.11	68.35	68.40	-0.05	.	22 21 1.4	0.6	+0.8	45.1	46.30	-1.2
10.0	P.	.	7 18 35.79	35.77	+0.02	68.25	68.34	-0.09	.	22 13 32.0	32.9	-0.9	45.1	46.33	-1.2
18.0	P.	.	7 51 1.11	1.04	+0.07	67.73	67.79	-0.06	.	21 0 18.2	19.0	-0.8	44.6	46.68	-2.1
20.0	P.	.	7 59 2.34	2.38	-0.04	67.54	67.63	-0.09	.	20 38 21.8	22.4	-0.6	44.8	46.82	-2.0
Aug. 7.0	P.	.	9 9 27.29	27.31	-0.02	65.96	66.11	-0.15	.	16 22 38.1	38.9	-0.8	47.4	48.91	-1.5
8.0	P.	.	9 13 16.21	16.26	-0.05	66.00	66.03	-0.03	.	16 5 39.9	40.8	-0.9	47.8	49.06	-1.3
9.0	P.	.	9 17 4.60	4.64	-0.04	65.87	65.95	-0.08	.	+15 48 24.9	27.2	-2.3	15 46.9	49.21	-2.3

SUN—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1895.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Aug. 10.0	P.	.	9 20 52.46	52.45	+0.01	65.74	65.86	-0.12	.	+15 30 59.5	58.2	+1.3	15 49.4	49.36	0.0
13.0	P.	.	9 32 12.52	12.58	-0.06	65.54	65.62	-0.08	.	14 37 1.9	2.8	-0.9	47.6	49.84	-2.2
16.0	P.	.	9 43 27.88	27.93	-0.05	65.32	65.39	-0.07	.	13 41 0.1	0.4	-0.3	48.9	50.36	-1.5
19.0	P.	.	9 54 38.69	38.71	-0.02	65.08	65.17	-0.09	.	12 42 59.5	59.7	-0.2	49.2	50.91	-1.7
23.0	P.	.	10 9 26.36	26.38	-0.02	64.82	64.90	-0.08	.	11 22 49.6	50.6	-1.0	49.2	51.70	-2.5
24.0	P.	.	10 13 7.14	7.15	-0.01	64.77	64.84	-0.07	.	11 2 19.1	20.7	-1.6	50.5	51.91	-1.4
Sept. 17.0	P.	.	11 39 55.42	55.46	-0.04	64.02	64.06	-0.04	.	2 10 25.3	26.0	-0.7	55.9	57.63	-1.7
21.0	P.	.	11 54 17.14	17.13	+0.01	63.96	64.08	-0.12	.	+ 0 37 11.4	10.7	+0.7	57.0	58.69	-1.7
23.0	P.	.	12 1 28.39	28.39	0.00	64.09	64.12	-0.03	.	0 9 35.9	35.7	-0.2	57.5	59.24	-1.7
26.0	P.	.	12 12 16.24	16.21	+0.03	64.13	64.21	-0.08	.	1 19 49.6	48.7	-0.9	15 58.0	60.07	-2.1
Oct. 1.0	P.	.	12 30 19.52	19.67	-0.15	64.31	64.38	-0.07	.	3 16 35.4	35.4	0.0	16 0.3	1.47	-1.2
2.0	P.	.	12 33 57.28	57.14	+0.14	64.32	64.43	-0.11	.	3 39 53.4	51.5	-1.9	1.0	1.75	-0.8
3.0	P.	.	12 37 34.84	34.91	-0.07	64.40	64.48	-0.08	.	4 3 6.2	5.0	-1.2	0.3	2.03	-1.7
4.0	P.	.	12 41 12.95	13.03	-0.08	64.44	64.53	-0.09	.	4 26 18.8	15.8	-3.0	0.6	2.30	-1.7
5.0	P.	.	12 44 51.36	51.49	-0.13	64.55	64.58	-0.03	.	4 49 23.2	23.3	+0.1	0.4	2.58	-2.2
10.0	L.	.	13 3 10.08	9.94	+0.14	64.92	64.88	+0.04	.	6 44 1.0	2.0	+1.0	5.5	3.94	+1.6
14.0	L.	.	13 17 57.30	57.39	-0.09	65.18	65.19	-0.01	S.	8 14 9.4	11.9	+2.5	.	.	.
16.0	L.	.	13 25 24.12	24.42	-0.30	65.44	65.35	+0.09	.	8 58 37.9	37.6	-0.3	4.2	5.56	-1.4
18.0	L.	.	13 32 53.74	53.81	-0.07	65.52	65.52	0.00	.	9 42 32.2	32.5	+0.3	6.3	6.10	+0.2
19.0	L.	.	13 36 39.44	39.42	+0.02	65.61	65.61	0.00	.	10 4 17.9	17.6	-0.3	5.5	6.38	-0.9
21.0	L.	.	13 44 12.35	12.57	-0.22	65.90	65.80	+0.10	.	10 47 20.9	20.4	-0.5	9.4	6.92	+2.5
22.0	L.	.	13 48 0.03	0.11	-0.08	65.98	65.90	+0.08	.	11 8 39.4	37.4	-2.0	7.0	7.19	-0.2
23.0	L.	.	13 51 48.16	48.32	-0.16	66.10	66.00	+0.10	.	11 29 43.8	44.2	+0.4	7.2	7.46	-0.3
24.0	L.	.	13 55 37.11	37.22	-0.11	66.18	66.10	+0.08	.	11 50 39.4	40.7	+1.3	7.4	7.73	-0.3
25.0	L.	.	13 59 26.66	26.81	-0.15	66.17	66.20	-0.03	.	12 11 26.2	26.1	-0.1	7.4	8.00	-0.6
26.0	L.	.	14 3 17.08	17.10	-0.02	66.31	66.30	+0.01	.	12 31 59.3	60.2	+0.9	8.8	8.27	+0.5
28.0	L.	.	14 10 59.78	59.85	-0.07	66.58	66.52	+0.06	.	13 12 33.6	32.7	-0.9	9.3	8.80	+0.5
29.0	L.	.	14 14 52.22	52.33	-0.11	66.72	66.63	+0.09	.	13 32 31.2	30.3	-0.9	9.3	9.06	+0.2
30.0	L.	.	14 18 45.62	45.59	+0.03	66.82	66.74	+0.08	.	13 52 14.7	15.2	+0.5	9.6	9.32	+0.3
Nov. 4.0	L.	.	14 38 23.60	23.67	-0.07	67.36	67.31	+0.05	.	15 27 32.8	32.5	-0.3	9.0	10.56	-1.6
12.0	P.	.	15 10 32.20	32.29	-0.09	68.23	68.27	-0.04	.	17 46 28.4	29.0	+0.6	11.3	12.37	-1.1
18.0	P.	.	15 35 14.98	15.04	-0.06	68.94	68.96	-0.02	.	19 17 58.8	57.9	-0.9	11.7	13.62	-1.9
19.0	P.	.	15 39 25.05	25.10	-0.05	69.05	69.08	-0.03	.	19 32 1.7	1.9	+0.2	12.7	13.82	-1.1
21.0	P.	.	15 47 47.60	47.66	-0.06	69.26	69.30	-0.04	.	19 59 5.4	5.6	+0.2	13.1	14.22	-1.1
22.0	P.	.	15 51 59.96	60.12	-0.16	69.34	69.41	-0.07	.	20 12 5.5	4.5	-1.0	12.2	14.42	-2.2
27.0	P.	.	16 13 13.49	13.75	-0.26	69.89	69.93	-0.04	.	21 11 16.7	17.4	+0.7	13.7	15.34	-1.6
29.0	P.	.	16 21 48.08	48.22	-0.14	70.00	70.12	-0.12	.	21 32 11.8	12.9	+1.1	11.7	15.67	-4.0
Dec. 4.0	P.	.	16 43 25.68	25.85	-0.17	70.54	70.54	0.00	.	22 17 16.3	16.7	+0.4	14.1	16.41	-2.3
6.0	P.	.	16 52 8.98	9.12	-0.14	70.66	70.68	-0.02	.	22 32 17.1	18.7	+1.6	14.6	16.67	-2.1
11.0	P.	.	17 14 6.09	6.20	-0.11	70.94	70.98	-0.04	.	23 2 7.7	8.1	+0.4	14.9	17.23	-2.3
16.0	P.	.	17 36 12.90	13.06	-0.16	71.18	71.18	0.00	.	23 20 30.8	32.8	+2.0	14.5	17.69	-3.2
27.0	P.	.	18 25 4.14	4.33	-0.19	71.21	71.22	-0.01	.	23 19 45.3	46.3	+1.0	14.1	18.34	-4.2
1896.															
Jan. 2.0	P.	.	18 51 36.94	37.07	-0.13	70.96	71.01	-0.05	.	22 55 26.8	27.6	+0.8	16.6	18.42	-1.8
4.0	S.	.	19 0 25.46	25.50	-0.04	71.05	70.91	+0.14	.	22 43 42.6	40.8	-1.8	18.9	18.40	+0.5
8.0	P.	.	19 17 57.24	57.36	-0.12	70.62	70.66	-0.04	.	22 14 43.7	44.0	+0.3	16.7	18.27	-1.6
14.0	S.	.	19 43 59.34	59.45	-0.11	70.26	70.17	+0.09	.	21 18 16.5	16.6	+0.1	17.4	17.96	-0.6
15.0	P.	.	19 48 17.62	17.65	-0.03	70.10	70.08	+0.02	.	21 7 25.2	24.0	-1.2	16.1	17.89	-1.8
16.0	L.	.	19 52 35.16	35.16	0.00	69.98	69.99	-0.01	.	20 56 7.7	7.2	-0.5	16.9	17.82	-0.9
18.0	S.	.	20 1 8.00	8.04	-0.04	69.88	69.79	+0.09	.	20 32 23.2	22.2	-1.0	16.4	17.66	-1.3
25.0	P.	.	20 30 38.87	38.93	-0.06	68.99	69.06	-0.07	.	18 57 21.4	21.0	-0.4	14.9	17.00	-2.1
27.0	L.	.	20 38 57.50	57.65	-0.15	68.90	68.84	+0.06	.	-18 27 4.0	0.5	-3.5	16 16.8	16.76	0.0
June 29.0	P.	.	6 36 26.64	26.70	-0.06	68.74	68.81	-0.07	.	+23 11 24.2	24.7	-0.5	15 44.3	46.19	-1.9
30.0	P.	.	6 40 35.04	34.98	+0.06	68.66	68.78	-0.12	.	23 7 38.3	36.3	+2.0	45.0	46.17	-1.2
July 1.0	S.	.	6 44 43.13	43.03	+0.10	68.69	68.74	-0.05	.	23 3 24.4	23.7	+0.7	44.8	46.16	-1.4
2.0	P.	.	6 48 50.89	50.82	+0.07	68.58	68.70	-0.12	.	22 58 48.3	46.9	+1.4	44.0	46.15	-2.2
3.0	S.	.	6 52 58.40	58.34	+0.06	68.67	68.66	+0.01	.	22 53 46.7	46.1	+0.6	45.0	46.15	-1.2
13.0	L.	.	7 33 53.78	53.78	0.00	68.06	68.10	-0.04	.	21 42 3.8	2.9	+0.9	45.8	46.40	-0.6
17.0	L.	.	7 50 3.06	3.08	-0.02	67.88	67.80	+0.08	.	21 2 48.4	48.6	-0.2	48.6	46.66	+2.0
18.0	P.	.	7 54 4.12	4.05	+0.07	67.58	67.73	-0.15	.	20 52 7.9	6.3	+1.6	43.8	46.74	-2.9
22.0	P.	.	8 10 2.10	2.18	-0.08	67.28	67.41	-0.13	.	20 5 49.0	48.5	+0.5	44.8	47.07	-2.3
23.0	P.	.	8 14 0.32	0.25	+0.07	67.26	67.33	-0.07	.	19 53 24.2	23.3	+0.9	45.6	47.17	-1.6
25.0	P.	.	8 21 54.68	54.63	+0.05	67.06	67.17	-0.11	.	19 27 34.4	33.6	-0.8	45.4	47.36	-2.0
27.0	P.	.	8 29 46.63	46.63	0.00	66.89	67.00	-0.11	.	19 0 27.4	26.7	+0.7	45.2	47.57	-2.4
28.0	L.	.	8 33 41.70	41.74	-0.04	66.90	66.91	-0.01	.	18 46 25.4	24.8	+0.6	47.7	47.68	0.0
29.0	P.	.	8 37 36.25	36.26	-0.01	66.73	66.82	-0.09	.	+18 32 4.5	4.3	+0.2	15 46.6	47.79	-1.2
30.0	L.	.	8 41 30.23	30.20	+0.03	66.70	66.74	-0.04	.	.	.	.	.	.	.

S U N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1896.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Aug. 1.0	L.	I	8 49 16.33	16.28	+0.05										
4.0	K.	.	9 0 50.94	51.02	-0.08	66.30	66.30	0.00		+16 59 47.4	46.4	+1.0	15 48.2	48.53	-0.3
5.0	P.	.	9 4 41.42	41.43	-0.01	66.14	66.22	-0.08		16 43 24.7	23.4	+1.3	47.3	48.67	-1.4
6.0	L.	.	9 8 31.20	31.26	-0.06	66.08	66.13	-0.05		16 26 43.5	44.3	-0.8	47.8	48.81	-1.0
7.0	K.	.	9 12 20.57	20.50	+0.07	66.04	66.05	-0.01		16 9 50.2	49.1	+1.1	47.4	48.96	-1.6
8.0	P.	.	9 16 9.11	9.16	-0.05	65.86	65.96	-0.10		15 52 38.3	38.4	-0.1	47.2	49.11	-1.9
11.0	K.	.	9 27 31.64	31.67	-0.03	65.72	65.72	0.00		14 59 36.8	35.6	+1.2	49.1	49.61	-0.5
12.0	P.	.	9 31 18.10	18.03	+0.07	65.52	65.64	-0.12		14 41 25.7	25.6	+0.1	48.5	49.78	-1.3
13.0	L.	.	9 35 3.82	3.83	-0.01	65.52	65.56	-0.04		14 23 0.7	1.6	-0.9	48.0	49.96	-2.0
17.0	L.	.	9 50 1.48	1.55	-0.07	65.18	65.26	-0.08		13 7 10.6	12.2	-1.6	49.6	50.70	-1.1
18.0	K.	.	9 53 44.62	44.65	-0.03	65.06	65.19	-0.13		12 47 44.2	43.3	+0.9	50.0	50.90	-0.9
19.0	P.	.	9 57 27.28	27.26	+0.02	64.98	65.12	-0.14		12 28 2.8	2.1	+0.7	49.4	51.10	-1.7
21.0	K.	.	10 4 51.08	51.02	+0.06	64.88	64.98	-0.10		11 48 6.9	7.4	-0.5	49.2	51.50	-2.3
25.0	K.	.	10 19 33.20	33.19	+0.01	64.66	64.74	-0.08		10 25 58.6	59.3	-0.7	52.1	52.33	-0.2
26.0	P.	.	10 23 12.66	12.71	-0.05	64.50	64.68	-0.18		10 5 1.8	2.2	-0.4	49.8	52.54	-2.7
28.0	K.	II	10 30 30.60	30.70	-0.10					9 22 38.6	39.0	-0.4	52.9	52.98	-0.1
29.0	P.	.	10 34 9.14	9.17	-0.03	64.39	64.52	-0.13		9 1 13.5	13.6	-0.1	50.8	53.20	-2.4
31.0	L.	.	10 41 25.20	25.20	0.00	64.40	64.42	-0.02		8 17 57.8	56.8	+1.0	53.4	53.64	-0.2
Sept. 1.0	S.	.	10 45 2.85	2.78	+0.07	64.36	64.38	-0.02		7 56 6.1	6.1	0.0	54.1	53.86	+0.2
3.0	L.	.	10 52 17.20	17.16	+0.04	64.22	64.30	-0.08		7 12 0.0	1.5	-1.5	52.6	54.32	-1.7
9.0	S.	.	11 13 55.34	55.19	+0.15	64.10	64.14	-0.04		4 57 8.0	7.7	+0.3	53.8	55.78	-2.0
10.0	L.	.	11 17 31.05	30.94	+0.11	64.08	64.12	-0.04		4 34 17.4	19.1	-1.7	55.2	56.04	-0.8
11.0	P.	.	11 21 6.66	6.57	+0.09	63.98	64.10	-0.12		4 11 25.1	25.9	-0.8	54.2	56.30	-2.1
18.0	S.	.	11 46 14.06	13.94	+0.12	64.00	64.07	-0.07		1 29 32.2	31.7	+0.5	58.0	58.16	-0.2
19.0	S.	.	11 49 49.26	49.23	+0.03	64.00	64.08	-0.08		+1 6 13.8	13.3	+0.5	57.2	58.43	-1.2
25.0	S.	.	12 11 23.00	22.95	+0.05	64.09	64.20	-0.11							
26.0	S.	.	12 14 59.17	59.13	+0.04	64.12	64.23	-0.11		-1 37 25.8	25.3	-0.5	15 58.8	60.31	-1.5
30.0	S.	.	12 29 26.30	26.26	+0.04	64.36	64.37	-0.01		3 10 51.0	51.4	+0.4	16 0.4	1.39	-1.0
Oct. 6.0	K.	.	12 51 16.52	16.49	+0.03	64.66	64.67	-0.01		5 29 53.7	55.0	+1.3	3.0	3.03	0.0
7.0	S.	.	12 54 56.29	56.19	+0.10	64.63	64.73	-0.10							
8.0	P.	.	12 58 36.38	36.33	+0.05	64.72	64.80	-0.08		6 15 46.9	46.5	-0.4	1.3	3.59	-2.3
9.0	K.	.	13 2 16.90	16.92	-0.02	64.82	64.87	-0.05		6 38 33.1	35.0	+1.9	3.8	3.87	-0.1
15.0	S.	.	13 24 30.69	30.67	+0.02	65.32	65.33	-0.01		8 53 19.5	18.6	-0.9	4.5	5.55	-1.1
16.0	K.	.	13 28 14.90	14.83	+0.07	65.24	65.42	-0.18		9 15 20.5	21.1	+0.6	4.4	5.83	-1.4
20.0	K.	.								10 42 6.2	6.9	+0.7	5.7	6.93	-1.2
21.0	P.	.	13 47 4.60	4.68	-0.08	65.73	65.88	-0.15		11 3 23.6	25.5	+1.9	4.8	7.20	-2.4
22.0	S.	.	13 50 52.52	52.59	-0.07	66.10	65.98	+0.12		11 24 33.3	34.2	+0.9	6.8	7.46	-0.7
24.0	P.	.	13 58 30.40	30.53	-0.13	66.12	66.18	-0.06		12 6 20.2	20.2	0.0	6.2	7.99	-1.8
26.0	S.	.	14 6 11.40	11.38	+0.02	66.38	66.39	-0.01		12 47 22.1	22.2	+0.1	7.2	8.49	-1.3
27.0	K.	.	14 10 2.83	2.95	-0.12	66.46	66.50	-0.04		13 7 34.9	35.7	+0.8	7.7	8.74	-1.0
31.0	P.	.	14 25 36.98	37.08	-0.10	66.84	66.94	-0.10		14 26 23.5	23.2	-0.3	8.6	9.73	-1.1
Nov. 2.0	B.	II	14 33 29.08	29.02	+0.06										
3.0	K.	.	14 37 26.14	26.23	-0.09	67.18	67.29	-0.11		15 23 4.6	4.4	-0.2	7.6	10.46	-2.9
6.0	La.	.	14 49 22.90	22.89	+0.01	67.68	67.64	+0.04							
7.0	P.	.	14 53 23.40	23.45	-0.05	67.70	67.76	-0.06		16 35 5.3	4.8	-0.5	9.9	11.41	-1.5
9.0	La.	.	15 1 27.12	27.08	+0.04	67.97	68.00	-0.03							
13.0	K.	.	15 17 44.45	44.37	+0.08	68.45	68.48	-0.03		18 14 31.3	31.2	-0.1	11.8	12.79	-1.0
14.0	B.	.	15 21 50.71	50.77	-0.06	68.55	68.59	-0.04		18 30 0.5	0.4	-0.1	11.3	13.01	-1.7
16.0	La.	.	15 30 6.06	6.05	+0.01	68.72	68.82	-0.10		18 59 60.2	59.6	-0.6	13.2	13.43	-0.2
17.0	K.	.	15 34 14.84	14.93	-0.09	68.87	68.94	-0.07		19 14 28.6	28.8	+0.2	12.0	13.64	-1.6
18.0	P.	.	15 38 24.67	24.62	+0.05	68.91	69.05	-0.14		19 28 37.0	37.2	+0.2	11.2	13.84	-2.6
24.0	S.	.	16 3 39.80	39.72	+0.08	69.74	69.70	+0.04		20 45 52.5	52.7	+0.2	13.4	14.96	-1.6
25.0	P.	.								20 57 25.1	26.1	+1.0	13.2	15.13	-1.9
Dec. 1.0	P.	.	16 33 41.98	41.97	+0.01	70.26	70.36	-0.10		21 58 21.5	21.9	+0.4	14.0	16.05	-2.0
3.0	S.	.	16 42 22.90	22.98	-0.08	70.58	70.52	+0.06		22 15 21.0	20.4	-0.6	16.2	16.33	-0.1
5.0	P.	.	16 51 6.22	6.31	-0.09	70.60	70.66	-0.06		22 30 34.4	35.3	+0.9	14.6	16.60	-2.0
7.0	La.	.	16 59 51.76	51.75	+0.01	70.74	70.80	-0.06		22 44 4.6	4.4	-0.2	14.9	16.86	-2.0
9.0	La.	.	17 8 39.02	39.02	0.00	70.83	70.92	-0.09		22 55 45.6	46.0	+0.4	16.0	17.09	-1.1
10.0	P.	.	17 13 3.31	3.27	+0.04	70.97	70.97	0.00		23 0 56.7	56.1	-0.6	14.5	17.20	-2.7
14.0	La.	.	17 30 43.44	43.53	-0.09	71.14	71.15	-0.01		23 16 59.5	61.0	+1.5	16.3	17.62	-1.3
17.0	P.	.	17 44 1.19	1.31	-0.12	71.14	71.23	-0.09		23 24 12.5	12.3	-0.2	16.4	17.88	-1.5
19.0	P.	.	17 52 53.90	53.93	-0.03	71.17	71.26	-0.09		23 26 38.3	39.3	+1.0	15.0	18.02	-3.0
24.0	B.	II	18 15 6.38	6.44	-0.06										
28.0	B.	.	18 32 51.22	51.40	-0.18	71.19	71.17	-0.02		23 14 21.9	22.5	+0.6	16.6	18.34	-1.7
29.0	K.	.	18 37 17.10	17.23	-0.13	71.07	71.14	-0.07		23 10 38.7	39.7	+1.0	15.8	18.35	-2.5
30.0	B.	II	18 41 42.63	42.82	-0.19					23 6 29.4	29.2	-0.2	16.8	18.36	-1.6
31.0	S.	.	18 46 8.08	8.14	-0.06	71.06	71.07	-0.01		-23 1 51.0	50.7	-0.3	16 16.7	18.36	-1.7

S U N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Jan. 2.0	P.	.	18 54 57.75	57.81	-0.06	70.96	70.97	-0.01	.	22 51 10.3	11.0	+0.7	16 16.8	18.35	-1.6
6.0	La.	.	19 12 32.40	32.39	+0.01	70.92	70.75	+0.17	.	22 24 23.5	25.4	+1.9	19.2	18.29	+0.9
7.0	B.	.	19 16 54.66	54.84	-0.18	70.61	70.68	-0.07	.	22 16 37.7	37.2	-0.5	16.7	18.26	-1.6
8.0	S.	.	19 21 16.79	16.75	+0.04	70.59	70.60	-0.01	.	22 8 22.8	22.8	0.0	16.8	18.23	-1.4
9.0	La.	.	19 25 38.05	38.10	-0.05	70.54	70.52	+0.02	.	21 59 43.5	42.5	-1.0	16.1	18.19	-2.1
11.0	La.	.	19 34 18.92	19.02	-0.10	70.38	70.36	+0.02	.	21 41 4.9	4.9	0.0	17.8	18.11	-0.3
12.0	K.	.	19 38 38.43	38.52	-0.09	70.24	70.28	-0.04	.	21 31 6.6	8.4	+1.8	15.4	18.06	-2.7
18.0	B.	I	20 4 21.18	21.25	-0.07				S	20 22 56.7	57.2	+0.5			
19.0	S.	.	20 8 35.86	35.87	-0.01	69.62	69.62	0.00	.	20 10 13.1	12.9	-0.2	16.0	17.56	-1.6
21.0	B.	.	20 17 2.75	2.83	-0.08	69.38	69.41	-0.03	.	19 43 39.4	36.9	-2.5	15.8	17.36	-1.6
22.0	K.	.	20 21 15.14	15.17	-0.03	69.20	69.30	-0.10	.	19 29 45.2	45.6	+0.4	14.3	17.25	-2.9
23.0	S.	.	20 25 26.74	26.75	-0.01	69.27	69.19	+0.08	.	19 15 32.2	32.6	+0.4	18.7	17.14	+1.6
25.0	S.	.	20 33 47.58	47.57	+0.01	68.95	68.97	-0.02	.	18 46 2.8	3.2	+0.4	16.4	16.89	-0.5
26.0	K.	.	20 37 56.66	56.78	-0.12	68.84	68.86	-0.02	.	18 30 49.1	47.3	-1.8	17.7	16.76	+0.9
29.0	K.	.	20 50 19.50	19.68	-0.18	68.48	68.52	-0.04	.	17 42 59.5	60.5	+1.0	16.3	16.35	-0.1
30.0	P.	.	20 54 25.71	25.70	+0.01	68.30	68.41	-0.11	.	17 26 27.0	26.3	-0.7	13.8	16.20	-2.4
Feb. 4.0	B.	.	21 14 43.46	43.48	-0.02	67.82	67.83	-0.01	.	15 59 6.7	5.5	-1.2	14.8	15.44	-0.6
13.0	P.	.	21 50 23.98	24.05	-0.07	66.79	66.84	-0.05	.	13 5 16.2	14.7	-1.5	10.8	13.85	-3.0
19.0	K.	.	22 13 36.53	36.81	-0.28	66.27	66.23	+0.04	.	10 59 33.6	33.9	+0.3	14.0	12.60	+1.4
23.0	S.	.	22 28 52.01	52.00	+0.01	65.86	65.87	-0.01	.	9 32 16.5	15.4	-1.1	10.8	11.69	-0.9
24.0	La.	.	22 32 39.12	39.30	-0.18	65.78	65.78	0.00	.	9 10 4.9	3.1	-1.8	12.5	11.45	+1.1
27.0	La.	.	22 43 57.78	57.85	-0.07	65.58	65.53	+0.05	.	8 2 40.2	37.6	-2.6	12.2	10.73	+1.5
Mar. 2.0	S.	.	22 55 11.74	11.72	+0.02	65.26	65.31	-0.05	.	6 54 7.8	8.3	+0.5	8.2	9.98	-1.8
10.0	La.	.	23 24 48.93	49.03	-0.10	64.77	64.85	-0.08	.	3 47 46.2	44.1	-2.1	7.0	7.97	-1.0
11.0	B.	.	23 28 29.43	29.47	-0.04	64.70	64.80	-0.10	.	3 24 11.4	10.2	-1.2	6.4	7.71	-1.3
13.0	La.	.	23 35 49.33	49.44	-0.11	64.65	64.72	-0.07	.	2 36 54.9	56.2	+1.3	6.3	7.19	-0.9
15.0	B.	.	23 43 8.21	8.30	-0.09	64.60	64.65	-0.05	.						
16.0	K.	.	23 46 47.36	47.37	-0.01	64.55	64.62	-0.07	.	1 25 53.1	55.0	+1.9	6.7	6.39	+0.3
20.0	S.	.	0 1 21.73	21.86	-0.13	64.50	64.53	-0.03	.	0 8 53.9	51.9	+2.0	5.0	5.30	-0.3
22.0	B.	.	0 8 38.36	38.36	0.00	64.46	64.50	-0.04	.	0 56 13.0	11.5	+1.5	2.6	4.74	-2.1
25.0	La.	.	0 19 32.57	32.69	-0.12	64.40	64.48	-0.08	.	2 6 59.1	58.5	+0.6	2.0	3.89	-1.9
26.0	K.	.	0 23 10.80	10.77	+0.03	64.52	64.48	+0.04	.	2 30 29.8	29.5	+0.3	4.1	3.61	+0.5
27.0	La.	.	0 26 48.83	48.87	-0.04	64.44	64.48	-0.04	.	2 53 58.9	57.5	+1.4	4.0	3.33	+0.7
29.0	Br.	.	0 34 5.17	5.23	-0.06	64.42	64.49	-0.07	.						
31.0	La.	.	0 41 21.74	21.88	-0.14	64.56	64.51	+0.05	.	4 27 12.2	12.4	-0.2	3.0	2.20	+0.8
Apr. 1.0	B.	.	0 45 0.32	0.37	-0.05	64.57	64.53	+0.04	.	4 50 19.1	20.1	-1.0	16 2.4	1.92	+0.5
2.0	K.	.	0 48 38.93	39.00	-0.07	64.42	64.55	-0.13	.	5 13 21.7	22.7	-1.0	15 59.8	61.64	-1.8
3.0	S.	.	0 52 17.76	17.75	+0.01	64.55	64.57	-0.02	.	5 36 19.1	19.5	-0.4	61.3	61.36	-0.1
5.0	Br.	.	0 59 35.82	35.74	+0.08	64.59	64.63	-0.04	.	6 21 53.5	55.1	-1.6	61.5	60.82	+0.7
10.0	La.	II	1 17 54.09	54.23	-0.14				N.	8 13 53.0	51.7	+1.3			
12.0	Br.	.							.	8 57 42.6	42.2	+0.4	58.2	58.94	-0.7
13.0	K.	.	1 28 56.48	56.41	+0.07	64.86	64.94	-0.08	.	9 19 26.7	24.1	+2.6	58.7	58.68	0.0
15.0	B.	.	1 36 19.49	19.45	+0.04	64.98	65.04	-0.06	.						
16.0	K.	.	1 40 1.46	1.49	-0.03	65.03	65.10	-0.07	.	10 23 34.3	32.7	+1.6	56.1	57.89	-1.8
17.0	La.	.	1 43 43.90	43.91	-0.01	65.08	65.16	-0.08	.	10 44 36.8	35.6	+1.2	58.1	57.63	+0.5
19.0	Br.	.	1 51 9.97	9.96	+0.01	65.16	65.28	-0.12	.	11 26 8.3	9.2	-0.9	56.3	57.10	-0.8
20.0	B.	.	1 54 53.54	53.62	-0.08	65.33	65.34	-0.01	.	11 46 41.0	39.5	+1.5	57.0	56.84	+0.2
21.0	S.	.	1 58 37.80	37.73	+0.07	65.32	65.40	-0.08	.	12 6 57.8	58.3	-0.5	54.7	56.58	-1.9
22.0	B.	.	2 2 22.34	22.30	+0.04	65.42	65.47	-0.05	.	12 27 4.9	5.3	-0.4	55.2	56.32	-1.1
23.0	K.	.	2 6 7.35	7.36	-0.01	65.48	65.53	-0.05	.	12 47 0.8	0.2	+0.6	54.8	56.06	-1.3
24.0	La.	.	2 9 52.96	52.90	+0.06	65.47	65.60	-0.13	.	13 6 43.4	42.5	+0.9	54.1	55.80	-1.7
26.0	Br.	.	2 17 25.42	25.49	-0.07	65.68	65.74	-0.06	.	13 45 30.6	28.5	+2.1	54.9	55.29	-0.4
27.0	La.	.	2 21 12.42	12.56	-0.14	65.82	65.82	0.00	.	14 4 33.0	31.5	+1.5	55.4	55.04	+0.4
28.0	S.	.	2 25 0.17	0.15	+0.02	65.90	65.89	+0.01	.	14 23 20.5	20.6	-0.1	53.9	54.79	-0.9
29.0	B.	.	2 28 48.20	48.29	-0.09	66.01	65.97	+0.04	.	14 41 56.4	55.6	+0.8	55.2	54.54	+0.7
May 6.0	B.	.	2 55 40.49	40.46	+0.03	66.47	66.53	-0.06	.	16 44 55.6	55.6	0.0	51.0	52.93	-1.9
7.0	K.	.	2 59 33.02	32.98	+0.04	66.53	66.61	-0.08	.	17 1 25.8	25.2	+0.6	52.0	52.72	-0.7
8.0	La.	II	3 3 25.91	26.03	-0.12				.	17 17 38.8	37.8	+1.0	52.4	52.51	-0.1
14.0	K.	.	3 26 56.30	56.15	+0.15	67.12	67.18	-0.06	.	18 48 40.8	39.0	+1.8	50.2	51.30	-1.1
15.0	S.	.	3 30 53.31	53.14	+0.17	67.08	67.26	-0.18	.	19 2 44.0	44.2	-0.2	49.8	51.10	-1.3
17.0	Br.	.	3 38 48.84	48.80	+0.04	67.36	67.42	-0.06	.	19 29 56.2	56.6	-0.4	49.6	50.72	-1.1
18.0	K.	.	3 42 47.50	47.48	+0.02	67.41	67.50	-0.09	.	19 43 5.0	3.4	+1.6	49.1	50.53	-1.4
19.0	S.	.	3 46 46.66	46.71	-0.05	67.54	67.58	-0.04	.	19 55 50.6	50.1	+0.5	49.6	50.34	-0.7
20.0	B.	.	3 50 46.49	46.51	-0.02	67.61	67.66	-0.05	.	20 8 17.1	16.4	+0.7	48.2	50.16	-2.0
22.0	La.	.	3 58 47.78	47.78	0.00	67.82	67.80	+0.02	.	20 32 8.9	7.4	+1.5	50.6	49.79	+0.8
24.0	Br.	.	4 6 51.12	51.20	-0.08	67.88	67.94	-0.06	.	20 54 36.5	34.2	+2.3	47.9	49.45	-1.5
25.0	K.	I	4 10 53.58	53.70	-0.12				.	21 5 16.2	15.4	+0.8	47.5	49.28	-1.8
26.0	S.	.	4 14 56.74	56.72	+0.02	68.04	68.08	-0.04	.	21 15 35.6	34.7	+0.9	48.0	49.12	-1.1
27.0	La.	.	4 19 0.22	0.21	+0.01	68.14	68.15	-0.01	.	+21 25 34.6	32.2	+2.4	15 48.4	48.96	-0.6

S U N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
May 28.0	K.	.	4 23 4.24	4.21	+0.03	68.20	68.21	-0.01	.	+21 35 8.2	7.4	+0.8	15 47.7	48.81	-1.1
29.0	La.	.	4 27 8.68	8.65	+0.03	68.19	68.27	-0.08	.	21 44 20.8	20.2	+0.6	47.0	48.66	-1.7
June 2.0	S.	.	4 43 30.76	30.74	+0.02	68.42	68.50	-0.08	.	22 17 23.8	23.1	+0.7	47.2	48.11	-0.9
5.0	La.	.	4 55 51.30	51.18	+0.12	68.56	68.65	-0.09	.	22 38 4.8	5.4	-0.6	46.0	47.75	-1.8
10.0	K.	II	5 16 31.04	30.99	+0.05	.	.	.	.	23 4 39.0	38.4	+0.6	44.8	47.25	-2.4
11.0	B.	.	5 20 39.50	39.63	-0.13	68.91	68.86	+0.05	S.	23 8 46.2	44.3	+1.9	.	.	.
12.0	La.	.	5 24 48.39	48.44	-0.05	68.72	68.88	-0.16	.	.	.	.	.	.	.
14.0	K.	.	5 33 6.50	6.54	-0.04	68.85	68.92	-0.07	.	23 18 36.9	35.4	+1.5	46.0	46.91	-0.9
16.0	S.	.	5 41 25.08	25.13	-0.05	68.89	68.95	-0.06	.	23 23 8.2	6.5	+1.7	45.8	46.76	-1.0
19.0	La.	.	5 53 53.56	53.62	-0.06	68.82	68.97	-0.15	.	23 26 49.2	47.6	+1.6	45.2	46.56	-1.4
21.0	Br.	.	6 2 12.72	12.78	-0.06	68.95	68.97	-0.02	.	23 27 12.8	11.0	+1.8	45.0	46.44	-1.4
22.0	K.	.	6 6 22.34	22.32	+0.02	68.91	68.96	-0.05	.	23 26 47.6	45.6	+2.0	46.6	46.38	+0.2
23.0	S.	.	6 10 31.90	31.84	+0.06	68.89	68.95	-0.06	.	23 25 54.6	55.3	-0.7	46.0	46.33	-0.3
24.0	B.	.	6 14 41.34	41.29	+0.05	68.92	68.94	-0.02	.	23 24 41.1	40.0	+1.1	45.4	46.29	-0.9
25.0	K.	.	6 18 50.58	50.63	-0.05	68.90	68.92	-0.02	.	23 23 0.7	0.1	+0.6	44.5	46.25	-1.7
26.0	La.	.	6 22 59.94	59.87	+0.07	68.82	68.90	-0.08	.	23 20 56.0	55.5	+0.5	45.0	46.22	-1.2
July 2.0	K.	.	6 47 51.34	51.30	+0.04	68.78	68.71	+0.07	S.	22 59 55.2	52.6	+2.6	.	.	.
3.0	La.	.	6 51 58.92	58.96	-0.04	68.64	68.67	-0.03	.	22 54 57.4	57.2	+0.2	44.8	46.14	-1.3
6.0	L.	.	7 4 20.00	19.92	+0.08	68.47	68.53	-0.06	.	22 37 48.7	47.9	+0.8	44.4	46.19	-1.8
7.0	S.	.	7 8 26.15	26.16	-0.01	68.39	68.48	-0.09	.	22 31 17.8	17.5	+0.3	44.8	46.22	-1.4
8.0	L.	.	7 12 32.03	31.99	+0.04	68.43	68.43	0.00	.	22 24 24.8	23.9	+0.9	45.4	46.25	-0.8
9.0	K.	.	7 16 37.38	37.39	-0.01	68.30	68.37	-0.07	.	22 17 8.6	7.2	+1.4	44.0	46.28	-2.3
13.0	L.	.	7 32 54.52	54.48	+0.04	68.02	68.12	-0.10	.	.	.	.	.	.	.
14.0	K.	.	7 36 57.62	57.56	+0.06	68.01	68.05	-0.04	.	21 35 4.4	2.5	+1.9	46.4	46.51	-0.1
15.0	La.	.	7 41 0.20	0.16	+0.04	67.88	67.98	-0.10	.	21 25 32.8	30.6	+2.2	44.8	46.56	-1.8
22.0	L.	.	8 9 3.73	3.71	+0.02	67.38	67.43	-0.05	.	20 8 47.4	47.0	+0.4	45.6	47.04	-1.4
23.0	K.	.	8 13 2.12	2.04	+0.08	67.28	67.35	-0.07	.	19 56 27.9	26.3	+1.6	46.5	47.12	-0.6
24.0	La.	.	8 16 59.86	59.81	+0.05	67.18	67.27	-0.09	.	19 43 46.9	45.4	+1.5	46.0	47.21	-1.2
26.0	Br.	.	.	.	.	.	.	.	.	19 17 25.3	24.8	+0.5	46.5	47.40	-0.9
28.0	S.	.	8 32 45.15	45.05	+0.10	66.75	66.93	-0.18	.	18 49 46.8	47.3	-0.5	46.0	47.62	-1.6
29.0	B.	.	8 36 39.94	39.88	+0.06	66.84	66.84	0.00	.	18 35 30.4	30.5	-0.1	46.3	47.74	-1.4
30.0	K.	.	8 40 34.12	34.10	+0.02	66.72	66.76	-0.04	.	18 20 57.2	55.3	+1.9	47.3	47.86	-0.6
31.0	La.	.	8 44 27.66	27.72	-0.06	66.54	66.67	-0.13	.	18 6 3.6	2.0	+1.6	47.0	47.98	-1.0
Aug. 2.0	Br.	.	8 52 13.08	13.05	+0.03	66.43	66.50	-0.07	.	17 35 25.8	22.8	+3.0	48.0	48.24	-0.2
3.0	L.	.	8 56 4.87	4.80	+0.07	66.38	66.42	-0.04	.	17 19 37.3	37.3	0.0	46.6	48.38	-1.8
6.0	K.	.	9 7 36.28	36.34	-0.06	66.10	66.15	-0.05	.	16 30 42.9	41.8	+1.1	47.3	48.83	-1.5
7.0	La.	.	9 11 25.72	25.63	+0.09	65.95	66.07	-0.12	.	16 13 51.1	51.1	0.0	48.4	48.98	-0.6
9.0	Br.	I	9 19 2.33	2.41	-0.08	.	.	.	.	15 39 24.6	23.2	+1.4	48.0	49.31	-1.3
10.0	L.	.	9 22 49.96	49.90	+0.06	65.80	65.82	-0.02	.	15 21 46.9	46.8	+0.1	48.9	49.47	-0.6
12.0	B.	II	9 30 23.22	23.20	+0.02	.	.	.	.	14 45 49.8	49.8	0.0	47.6	49.81	-2.2
13.0	K.	.	9 34 9.02	9.00	+0.02	65.54	65.58	-0.04	.	14 27 30.1	30.2	-0.1	48.8	49.98	-1.2
14.0	La.	.	9 37 54.28	54.27	+0.01	65.42	65.50	-0.08	.	14 8 58.0	56.5	+1.5	48.5	50.16	-1.7
17.0	L.	.	9 49 7.03	6.96	+0.07	65.25	65.28	-0.03	.	13 11 54.8	55.7	-0.9	49.2	50.69	-1.5
18.0	La.	.	9 52 50.22	50.21	+0.01	65.14	65.21	-0.07	.	12 52 29.8	29.5	+0.3	49.2	50.88	-1.7
20.0	K.	.	10 0 15.30	15.26	+0.04	65.03	65.07	-0.04	.	12 13 0.8	0.6	+0.2	49.1	51.25	-2.1
24.0	L.	.	10 15 0.07	0.09	-0.02	64.75	64.81	-0.06	.	10 51 43.5	44.7	-1.2	50.8	52.04	-1.2
25.0	La.	.	10 18 40.24	40.26	-0.02	64.62	64.75	-0.13	.	10 30 60.3	58.8	+1.5	52.9	52.25	+0.7
26.0	B.	.	10 22 20.04	20.04	0.00	64.66	64.69	-0.03	.	10 10 2.0	2.9	-0.9	50.5	52.47	-2.0
27.0	La.	.	10 25 59.40	59.44	-0.04	64.54	64.63	-0.09	.	.	.	.	.	.	.
31.0	L.	.	10 40 33.50	33.52	-0.02	64.42	64.43	-0.01	.	8 23 4.8	4.3	+0.5	49.8	53.59	-3.8
Sept. 1.0	La.	.	10 44 11.17	11.21	-0.04	64.26	64.39	-0.13	.	8 1 17.0	15.3	+1.7	52.2	53.82	-1.6
2.0	B.	.	.	.	.	.	.	.	.	7 39 19.2	18.7	+0.5	52.4	54.06	-1.7
3.0	S.	.	10 51 25.76	25.74	+0.02	64.25	64.31	-0.06	.	7 17 14.8	14.7	+0.1	53.5	54.30	-0.8
4.0	La.	.	10 55 2.52	2.58	-0.06	64.22	64.27	-0.05	.	6 55 4.0	3.7	+0.3	52.7	54.55	-1.9
7.0	L.	.	11 5 51.72	51.71	+0.01	64.12	64.19	-0.07	.	5 47 51.6	51.9	-0.3	54.9	55.29	-0.4
8.0	S.	.	11 9 27.68	27.68	0.00	64.06	64.17	-0.11	.	5 25 16.2	16.3	-0.1	53.1	55.54	-2.4
9.0	B.	.	11 13 3.54	3.47	+0.07	64.01	64.15	-0.14	.	.	.	.	.	.	.
10.0	L.	.	11 16 39.06	39.12	-0.06	64.09	64.13	-0.04	.	4 39 48.0	48.8	-0.8	56.4	56.05	+0.4
11.0	La.	.	11 20 14.59	14.65	-0.06	64.03	64.11	-0.08	.	4 16 59.4	57.7	+1.7	55.8	56.30	-0.5
14.0	L.	.	11 31 0.70	0.73	-0.03	63.99	64.08	-0.09	.	3 7 57.0	58.4	-1.4	55.4	57.06	-1.7
16.0	B.	.	11 38 11.30	11.24	+0.06	63.96	64.07	-0.11	S.	2 21 40.0	40.3	-0.3	.	.	.
18.0	La.	.	11 45 21.78	21.82	-0.04	64.06	64.07	-0.01	.	1 35 10.8	10.3	+0.5	57.4	58.09	-0.7
20.0	L.	.	11 52 32.54	32.61	-0.07	64.00	64.09	-0.09	.	0 48 30.1	31.2	-1.1	57.7	58.61	-0.9
21.0	K.	II	11 56 8.04	8.14	-0.10	.	.	.	N.	0 25 7.6	9.0	-1.4	.	.	.
22.0	S.	.	11 59 43.76	43.77	-0.01	64.04	64.11	-0.07	.	+0 1 45.3	45.6	-0.3	58.7	59.14	-0.4
24.0	K.	.	12 6 55.43	55.47	-0.04	64.11	64.16	-0.05	.	-0 45 3.2	3.5	+0.3	59.8	59.68	+0.1
25.0	La.	.	12 10 31.56	31.56	0.00	64.04	64.19	-0.15	.	1 8 27.2	28.6	+1.4	15 57.6	59.95	-2.4
27.0	L.	.	12 17 44.32	44.32	0.00	64.24	64.25	-0.01	.	1 55 18.0	17.6	-0.4	16 0.0	0.50	-0.5
28.0	B.	.	12 21 20.98	21.02	-0.04	64.32	64.28	+0.04	.	2 18 41.2	40.7	-0.5	16 1.6	0.78	+0.8

S U N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Sept. 29.0	S.	.	12 24 58.00	57.95	+0.05	64.30	64.32	-0.02	.	2 42 1.5	2.6	+1.1	16 1.1	1.06	0.0
30.0	L.	.	12 28 35.24	35.15	+0.09	64.38	64.36	+0.02	.	3 5 23.6	22.7	-0.9	0.7	1.34	-0.6
Oct. 1.0	K.	.	12 32 12.65	12.61	+0.04	64.35	64.40	-0.05	.	3 28 42.4	40.7	-1.7	1.6	1.62	0.0
4.0	K.	.	12 43 6.72	6.81	-0.09	64.59	64.55	+0.04	.	4 38 19.6	18.9	-0.7	3.1	2.47	+0.6
5.0	L.	.	12 46 45.64	45.54	+0.10	64.59	64.60	-0.01	.	5 1 26.1	24.9	-1.2	1.4	2.75	1.4
6.0	S.	.	12 50 24.60	24.64	-0.04	64.58	64.66	-0.08	.	5 24 26.4	27.3	+0.9	2.4	3.03	0.6
7.0	L.	.	12 54 4.16	4.12	+0.04	64.70	64.72	-0.02	.	5 47 25.2	25.3	+0.1	2.2	3.31	-1.1
8.0	K.	.	12 57 43.98	44.03	-0.05	64.80	64.78	+0.02	.	6 33 7.0	7.7	+0.7	1.6	3.87	2.3
9.0	La.	.	13 1 24.34	24.37	-0.03	64.76	64.85	0.09	.	8 3 27.4	26.2	-1.2	3.6	4.97	1.4
13.0	S.	.	13 16 10.54	10.53	+0.01	65.19	65.15	-0.04	.	8 25 45.2	45.2	0.0	4.2	5.24	1.0
14.0	L.	.	13 19 53.42	53.37	+0.05	65.18	65.23	-0.05	.	8 47 55.7	57.2	+1.5	3.7	5.51	1.8
15.0	K.	.	13 23 36.80	36.78	-0.02	65.31	65.31	0.00	.	9 10 1.0	1.8	+0.8	3.5	5.78	-2.3
16.0	B.	.	13 27 20.85	20.80	+0.05	65.31	65.39	-0.08	.	14 2 22.0	25.6	+3.6	9.6	9.43	0.2
30.0	Br.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nov. 3.0	S.	.	14 36 30.61	30.56	+0.05	67.17	67.26	-0.09	.	15 18 39.8	40.4	+0.6	10.2	10.45	-0.2
4.0	L.	.	14 40 28.30	28.29	+0.01	67.42	67.38	+0.04	.	15 37 7.4	7.2	-0.2	10.0	10.70	-0.7
5.0	Br.	.	14 44 26.76	26.84	-0.08	67.36	67.50	-0.14	.	15 55 16.4	18.5	+2.1	9.2	10.94	-1.7
6.0	La.	.	14 48 26.18	26.21	-0.03	67.60	67.62	-0.02	.	16 13 13.7	13.9	+0.2	10.0	11.18	-1.2
10.0	S.	.	15 4 32.06	32.03	+0.03	68.08	68.09	-0.01	.	17 22 8.8	8.2	-0.6	10.7	12.11	1.4
13.0	Po.	.	15 16 45.40	45.34	+0.06	68.48	68.45	+0.03	.	18 10 41.8	42.8	+1.0	10.5	12.75	2.3
16.0	La.	.	15 29 6.38	6.43	-0.05	68.68	68.80	-0.12	.	.	.	.	.	.	.
17.0	S.	.	15 33 15.08	15.17	-0.09	68.86	68.91	0.05	.	19 11 1.0	0.5	-0.5	13.2	13.56	0.4
18.0	L.	.	15 37 24.80	24.77	+0.03	69.08	69.02	+0.06	.	19 25 16.0	14.4	-1.6	14.2	13.76	+0.4
19.0	K.	.	15 41 35.08	35.22	-0.14	69.20	69.13	+0.07	.	19 39 6.0	7.4	+1.4	12.6	13.95	-1.4
20.0	Br.	.	15 45 46.44	46.50	-0.06	69.24	69.24	0.00	.	19 52 36.6	39.0	+2.4	12.0	14.14	2.1
24.0	S.	.	16 2 39.80	39.72	+0.08	69.68	69.67	+0.01	.	20 43 3.4	4.0	+0.6	12.2	14.87	-2.7
27.0	Po.	.	16 15 27.74	27.64	+0.10	69.98	69.97	+0.01	N.	21 16 52.0	50.3	-1.7	.	.	.
30.0	La.	.	16 28 21.78	21.82	-0.04	70.28	70.25	+0.03	.	21 46 56.8	58.9	+2.1	14.2	15.87	-1.7
Dec. 1.0	S.	.	16 32 41.16	41.17	-0.01	70.28	70.34	-0.06	.	21 56 12.4	12.0	-0.4	14.0	16.03	-2.0
2.0	L.	II	16 37 1.11	1.13	0.02	.	.	.	N.	22 4 60.7	59.6	-1.1	.	.	.
6.0	L.	.	16 54 26.52	26.57	-0.05	70.73	70.72	+0.01	.	22 35 54.6	52.6	-2.0	16.0	16.74	0.7
7.0	Br.	.	16 58 49.22	49.22	0.00	70.89	70.79	+0.10	.	22 42 27.0	30.0	+3.0	15.8	16.87	-1.1
8.0	S.	.	17 3 12.32	12.34	-0.02	70.72	70.85	-0.13	.	22 48 39.9	40.7	+0.8	14.6	16.99	2.4
9.0	L.	.	17 7 36.06	35.90	+0.16	70.92	70.91	+0.01	.	22 54 23.9	24.5	+0.6	16.3	17.10	-0.8
10.0	K.	.	17 11 59.87	59.90	-0.03	70.96	70.97	0.01	S.	22 59 38.9	41.1	+2.2	.	.	.
11.0	Po.	.	17 16 24.32	24.28	+0.04	70.90	71.02	-0.12	.	23 4 28.6	30.5	+1.9	16.6	17.31	0.7
16.0	Br.	.	17 38 31.02	31.15	-0.13	71.21	71.20	-0.01	.	23 21 40.5	42.5	+2.0	18.0	17.74	+0.3
18.0	B.	.	17 47 23.59	23.63	-0.04	71.14	71.24	-0.10	.	23 25 19.0	19.5	+0.5	17.6	17.87	-0.3
24.0	K.	.	18 14 3.28	3.45	0.17	71.26	71.26	0.00	.	23 24 50.8	51.2	+0.4	17.2	18.18	-1.0
27.0	L.	.	18 27 22.77	22.76	+0.01	71.20	71.21	0.01	.	23 18 15.8	15.1	-0.7	16.0	18.29	-2.3
28.0	La.	.	18 31 48.70	48.85	-0.15	71.29	71.18	+0.11	.	23 15 6.8	6.8	0.0	17.9	18.31	0.4
29.0	S.	.	18 36 14.68	14.72	-0.04	71.14	71.15	-0.01	.	23 11 30.2	30.5	+0.3	16.4	18.33	1.9
30.0	L.	.	18 40 40.30	40.31	-0.01	71.23	71.11	+0.12	.	23 7 25.6	26.4	+0.8	18.7	18.35	+0.3
1898.															
Jan. 4.0	Br.	.	19 2 43.10	43.15	-0.05	70.90	70.85	+0.05	.	22 40 11.5	13.3	+1.8	19.2	18.36	+0.8
5.0	S.	.	19 7 6.47	6.50	-0.03	70.75	70.80	-0.05	.	22 33 23.9	25.3	+1.4	16.6	18.35	1.8
7.0	K.	.	19 15 51.58	51.77	-0.19	70.64	70.68	-0.04	.	22 18 29.6	29.3	-0.3	17.6	18.29	-0.7
8.0	Po.	.	19 20 13.50	13.63	-0.13	70.60	70.62	-0.02	.	22 10 21.0	21.8	+0.8	19.1	18.25	+0.8
13.0	L.	.	19 41 54.50	54.55	-0.05	70.26	70.21	+0.05	.	21 23 19.7	18.2	-1.5	17.0	17.99	1.0
17.0	Br.	.	19 59 3.92	4.05	-0.13	69.72	69.84	-0.12	.	20 38 12.9	12.0	-0.9	16.2	17.68	1.5
18.0	L.	.	20 3 19.66	19.70	-0.04	69.78	69.74	+0.04	.	20 25 57.2	55.8	-1.4	17.1	17.59	-0.5
24.0	K.	.	20 28 37.80	37.91	-0.11	69.12	69.11	+0.01	.	19 4 24.7	24.7	0.0	16.4	16.98	0.6
26.0	S.	.	20 36 57.59	57.65	-0.06	68.84	68.89	-0.05	.	18 34 22.3	23.4	+1.1	15.3	16.74	1.4
27.0	B.	.	20 41 6.13	6.28	-0.15	68.83	68.78	+0.05	.	18 18 51.2	51.7	+0.5	15.4	16.62	1.2
28.0	L.	.	20 45 14.04	14.07	-0.03	68.60	68.66	-0.06	.	18 3 1.2	0.6	-0.6	13.2	16.50	3.3
29.0	La.	.	20 49 21.02	21.03	-0.01	68.50	68.55	-0.05	.	17 46 50.0	50.5	-0.5	13.5	16.37	-2.9
Feb. 3.0	L.	.	21 9 43.12	43.19	-0.07	68.13	67.97	+0.16	.	16 21 25.6	24.0	-1.6	16.0	15.66	-0.3
4.0	K.	.	21 13 45.05	45.09	-0.04	67.78	67.86	-0.08	.	16 3 26.4	26.4	0.0	14.1	15.51	-1.4
7.0	K.	.	21 25 45.92	45.98	-0.06	67.50	67.52	-0.02	.	15 7 57.1	56.3	-0.8	14.0	15.00	-1.0
9.0	Po.	.	21 33 42.57	42.59	-0.02	67.24	67.30	-0.06	.	14 29 39.0	38.6	0.4	13.6	14.63	-1.0
10.0	L.	.	21 37 39.80	39.73	+0.07	67.12	67.19	-0.07	.	14 10 8.1	7.9	-0.2	12.9	14.44	-1.5
11.0	K.	.	21 41 36.14	36.11	+0.03	67.02	67.08	-0.06	.	13 50 23.2	22.9	0.3	12.6	14.25	-1.6
14.0	L.	.	21 53 20.77	20.80	-0.03	66.78	66.75	+0.03	.	12 49 48.2	47.2	-1.0	13.2	13.66	-0.5
16.0	S.	.	22 1 6.96	6.99	-0.03	66.52	66.55	-0.03	.	12 8 22.0	20.2	-1.8	11.8	13.23	1.4
17.0	L.	.	22 4 59.02	59.07	-0.05	66.43	66.45	-0.02	.	11 47 19.2	19.0	0.2	11.6	13.02	-1.4
23.0	S.	.	22 27 57.42	57.40	+0.02	65.75	65.88	0.13	.	9 37 31.4	31.1	-0.3	10.5	11.69	1.2
24.0	L.	.	22 31 44.76	44.89	-0.13	65.89	65.80	+0.09	.	9 15 21.2	20.4	0.8	10.7	11.47	0.8
26.0	B.	.	22 39 18.02	18.11	-0.09	65.66	65.61	+0.02	.	8 30 36.0	34.9	1.1	10.4	11.01	-0.6
28.0	L.	.	22 46 48.85	49.03	0.18	65.52	65.48	+0.04	.	7 45 21.1	19.9	1.2	16 10.4	10.55	0.2

S U N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Mar. 1.0	Br.	.	22 50 33.58	33.68	-0.10	65.46	65.41	+0.05	.	7 22 32.4	32.5	+0.1	16 10.6	10.31	+0.3
3.0	L.	.	22 58 1.38	1.44	-0.06	65.27	65.27	0.00	.	6 36 41.6	39.4	-2.2	8.8	9.83	-1.0
5.0	Po.	II	23 5 17.08	27.31	0.23				.	5 50 25.1	24.5	-0.6	9.5	9.34	+0.2
7.0	K.	.	23 12 51.41	51.44	-0.03	65.01	65.02	-0.01	.	5 3 49.8	51.1	+1.3	7.0	8.82	-1.8
8.0	La.	.	23 16 32.76	32.92	-0.16	64.96	64.96	0.00	.	4 40 27.3	28.0	+0.7	7.7	8.56	-0.9
9.0	S.	.	23 20 14.04	14.02	+0.02	64.81	64.90	-0.09	.	4 17 3.7	1.4	-2.3	7.2	8.30	-1.1
14.0	L.	.	23 38 34.82	34.95	0.13	64.76	64.69	+0.07	.	2 19 9.2	6.5	-2.7	7.8	6.97	+0.8
15.0	Br.	.	23 42 14.08	14.36	0.28	64.64	64.65	-0.01	.	1 55 25.9	25.6	-0.3	7.6	6.69	+0.9
17.0	L.	.	23 49 32.60	32.61	-0.01	64.58	64.59	-0.01	.	1 8 4.5	0.9	-3.6	4.7	6.14	-1.4
19.0	S.	.	23 56 50.08	50.16	0.08	64.41	64.54	0.13	.	0 20 34.8	35.0	+0.2	2.9	5.58	-2.7
25.0	K.	.	0 18 40.12	40.24	0.12	64.50	64.48	+0.02	.	+ 2 1 19.9	19.9	0.0	2.8	3.93	-1.1
31.0	L.	.	0 40 29.31	29.29	+0.02	64.52	64.51	+0.01	.	4 21 35.0	36.6	-1.6	1.5	2.31	-0.8
Apr. 1.0	K.	.	0 44 7.58	7.64	-0.06	64.52	64.53	-0.01	.	4 44 44.5	44.5	0.0	1.0	2.04	-1.0
2.0	Po.	.	0 47 46.00	46.09	-0.09	64.54	64.55	0.01	.	5 7 45.7	47.2	-1.5	16 0.2	1.76	-1.6
6.0	S.	.	1 2 21.34	21.37	-0.03	64.58	64.66	-0.08	.	6 38 58.5	59.7	-1.2	15 58.2	60.67	-2.5
7.0	L.	.	1 6 0.64	0.65	-0.01	64.70	64.69	+0.01	.	7 1 30.5	31.7	-1.2	60.4	60.40	0.0
8.0	K.	.	1 9 40.13	40.18	-0.05	64.70	64.72	-0.02	.	7 23 56.7	56.7	0.0	58.9	60.12	-1.2
9.0	B.	.	1 13 19.96	19.95	+0.01	64.70	64.76	0.06	.	7 46 14.1	14.1	0.0	56.9	59.84	-2.9
12.0	Po.	.	1 24 20.97	21.01	0.04	64.79	64.88	-0.09	.	8 52 19.0	19.2	-0.2	56.7	59.01	-2.3
13.0	S.	.	1 28 1.91	2.00	-0.09	64.83	64.93	-0.10	.	9 14 2.3	3.8	-1.5	57.8	58.73	0.9
16.0	Br.	.	1 39 7.09	7.13	-0.04	65.04	65.08	-0.04	.	10 18 23.0	22.0	+1.0	57.5	57.92	0.4
18.0	K.	.	1 46 32.51	32.49	+0.02	65.14	65.20	-0.06	.	11 0 25.1	24.0	+1.1	55.6	57.38	-1.8
20.0	B.	.	1 53 59.47	59.50	-0.03	65.32	65.32	0.00	.	11 41 43.4	42.9	+0.5	55.8	56.86	-1.1
21.0	L.	.	1 57 43.54	43.66	-0.12	65.38	65.38	0.00	.	12 2 4.3	5.1	-0.8	55.6	56.60	1.0
27.0	S.	.	2 20 18.03	18.18	-0.15	65.69	65.79	-0.10	.						
30.0	Po.	.							.	14 55 49.6	50.0	-0.4	52.7	54.42	-1.7
May 3.0	La.	.	2 43 10.28	10.44	-0.16	66.22	66.27	-0.05	.	15 49 32.4	29.8	+2.6	52.9	53.73	-0.8
9.0	Br.	.	3 6 22.20	22.33	-0.13	66.72	66.76	-0.04	.	17 29 40.4	38.1	+2.3	52.8	52.38	+0.4
10.0	L.	.	3 10 16.30	16.33	0.03	66.78	66.84	-0.06	.	17 45 20.0	20.2	-0.2	51.4	52.16	-0.8
12.0	L.	I	3 18 6.18	6.13	+0.05				.	18 15 51.2	50.7	+0.5	50.5	51.74	-1.2
13.0	K.	.	3 22 1.92	1.91	+0.01	67.02	67.08	-0.06	.	18 30 39.9	38.7	+1.2	49.9	51.53	-1.6
14.0	Po.	.	3 25 58.24	58.30	-0.06	67.17	67.16	+0.01	.	18 45 8.2	8.1	+0.1	50.9	51.33	-0.4
16.0	K.	.	3 33 52.88	52.84	+0.04	67.26	67.32	-0.06	.	19 13 10.0	9.7	+0.3	48.8	50.92	-2.1
17.0	La.	.	3 37 51.01	50.98	+0.03	67.34	67.40	-0.06	.	19 26 42.2	41.5	+0.7	48.9	50.72	-1.8
18.0	S.	.	3 41 49.73	49.70	+0.03	67.39	67.48	-0.09	.	19 39 54.1	53.4	+0.7	48.4	50.53	-2.1
19.0	L.	.	3 45 48.99	48.97	+0.02	67.52	67.56	0.04	.	19 52 45.7	45.3	+0.4	49.4	50.34	-0.9
20.0	Po.	.	3 49 48.87	48.81	-0.06	67.57	67.64	-0.07	.	20 5 15.7	16.9	1.2	49.5	50.16	-0.7
24.0	Br.	.	4 5 53.39	53.45	-0.06	67.93	67.92	+0.01	.	20 51 57.3	54.9	+2.4	49.0	49.49	0.5
25.0	S.	.	4 9 55.87	55.87	0.00	67.87	67.99	-0.12	.	21 2 40.9	41.2	-0.3	47.0	49.33	-2.3
27.0	B.	.	4 18 2.18	2.13	+0.05	68.16	68.13	+0.03	.	21 23 7.8	8.0	-0.2	47.7	49.02	-1.3
28.0	Po.	.	4 22 6.00	5.93	+0.07	68.16	68.19	-0.03	.	21 32 48.9	48.3	+0.6	47.1	48.88	-1.8
31.0	La.	.	4 34 19.86	19.92	-0.06	68.32	68.37	-0.05	.	21 59 34.8	34.0	+0.8	46.5	48.46	-2.0
June 1.0	S.	.	4 38 25.40	25.39	+0.01	68.30	68.43	-0.13	.	22 7 44.1	43.4	+0.7	46.2	48.33	-2.1
3.0	La.	I	4 46 37.43	37.47	-0.04				.	22 22 54.1	53.3	+0.8	46.4	48.08	-1.7
6.0	L.	.	4 58 58.19	58.24	-0.05	68.64	68.68	-0.04	.	22 42 42.8	42.4	+0.4	48.0	47.71	+0.3
7.0	Br.	.	5 3 5.71	5.81	-0.10	68.78	68.72	+0.06	.	22 48 33.5	30.7	+2.8	48.0	47.60	+0.4
8.0	S.	.	5 7 13.61	13.67	-0.06	68.64	68.76	-0.12	.	22 53 55.9	55.4	+0.5	45.8	47.49	-1.7
9.0	L.	I	5 11 22.05	21.80	+0.25				.						
10.0	B.	.	5 15 30.23	30.21	+0.02	68.79	68.82	0.03	.	23 3 32.8	32.4	+0.4	48.4	47.27	+1.1
11.0	Po.	.	5 19 38.73	38.85	0.12	68.78	68.85	0.07	.	23 7 44.3	44.5	-0.2	45.7	47.17	-1.5
13.0	Br.	.							N.	23 14 57.8	55.2	+2.6			
14.0	La.	.	5 32 5.98	5.99	-0.01	68.95	68.91	+0.04	N.	23 17 55.7	53.7	-2.0			
15.0	S.	II	5 36 15.42	15.38	+0.04				.	23 20 27.3	27.5	-0.2	45.4	46.80	-1.4
20.0	Br.	.	5 57 3.58	3.53	+0.05	68.97	68.96	-0.01	.	23 27 6.2	4.9	+1.3	46.3	46.47	0.2
22.0	S.	II	6 5 22.92	22.87	+0.05				N.	23 26 51.5	50.1	+1.4			
23.0	L.	.	6 9 32.38	32.46	0.08	69.11	68.94	0.17	.	23 26 6.5	5.6	+0.9	48.4	46.34	-2.1
24.0	K.	.	6 13 41.92	41.93	0.01	68.94	68.93	+0.01	.	23 24 57.3	56.1	+1.2	45.0	46.30	-1.3
25.0	Po.	.	6 17 51.26	51.28	0.02	68.92	68.92	0.00	N.	23 23 19.9	22.0	2.1			
27.0	K.	.	6 26 9.54	9.52	0.02	68.90	68.88	+0.02	.	23 19 0.5	0.0	+0.5	44.2	46.24	-2.0
28.0	Br.	I	6 30 18.37	18.36	+0.01				.	23 16 13.2	12.1	+1.1	45.3	46.22	0.9
29.0	S.	.	6 34 27.06	26.99	+0.07	68.74	68.82	-0.08	.	23 12 60.9	59.8	+1.1	44.4	46.21	-1.8
30.0	L.	.	6 38 35.50	35.36	+0.14	68.88	68.79	+0.09	.	23 9 22.8	23.2	-0.4	45.7	46.20	0.5
July 1.0	K.	.	6 42 43.58	43.50	+0.08	68.70	68.76	0.06	.	23 5 23.0	22.3	+0.7	45.2	46.19	-1.0
2.0	B.	.	6 46 51.48	51.36	+0.12	68.76	68.72	-0.04	.	23 0 59.0	57.3	+1.7	45.3	46.19	0.9
7.0	L.	.	7 7 26.00	25.99	+0.01	68.56	68.49	0.07	.	22 32 53.5	53.2	-0.3	44.8	46.23	-1.4
8.0	K.	.	7 11 31.98	31.88	+0.10	68.44	68.41	0.00	.	22 26 7.9	5.4	+2.5	44.9	46.25	-1.3
9.0	Po.	.	7 15 37.44	37.38	+0.06	68.36	68.38	0.02	.	22 18 53.7	54.4	-0.7	45.4	46.27	0.9
11.0	K.	.	7 23 47.16	47.16	0.00	68.18	68.26	-0.08	.	22 3 23.8	23.1	+0.7	44.2	46.33	-2.1
16.0	B.	.	7 44 3.88	3.80	+0.08	67.90	67.92	-0.02	.	+ 21 18 0.1	59.5	+0.6	15 45.7	46.55	0.8

S U N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
July 18.0	L.	.	7 52 7.04	6.99	+0.05	67.70	67.77	-0.07	.	+20 57 16.4	16.4	0.0	15 46.0	46.67	-0.7
20.0	S.	.	8 0 8.11	8.01	+0.10	67.49	67.61	-0.12	.	20 35 7.7	8.0	-0.3	46.6	46.83	-0.2
21.0	L.	.	8 4 7.76	7.68	+0.08	67.52	67.53	-0.01	.	20 23 31.6	32.7	-1.1	45.6	46.91	-1.3
25.0	K.	.	8 20 0.48	0.43	+0.05	67.11	67.21	-0.10	.	19 33 51.6	49.2	+2.4	48.0	47.29	+0.7
26.0	La.	.	8 23 57.14	57.12	+0.02	67.10	67.12	-0.02	.	19 20 34.9	34.3	+0.6	46.3	47.40	-1.1
29.0	K.	.	8 35 43.48	43.44	+0.04	66.88	66.86	+0.02	.	18 38 55.4	55.5	-0.1	46.2	47.75	-1.5
30.0	B.	.	8 39 37.60	37.65	-0.05	66.84	66.77	+0.07	.	18 24 25.1	25.5	-0.4	48.6	47.87	+0.7
Aug. 1.0	L.	.	8 47 24.17	24.21	-0.04	66.55	66.59	-0.04	.	17 54 31.3	31.9	-0.6	47.6	48.12	-0.5
2.0	Br.	.	8 51 16.54	16.57	-0.03	66.44	66.51	-0.07	.	17 39 10.1	8.7	+1.4	47.1	48.25	-1.1
3.0	La.	.	8 55 8.36	8.33	+0.03	66.38	66.43	-0.05	.	17 23 29.2	28.3	+0.9	47.3	48.38	-1.1
4.0	L.	.	8 58 59.51	59.49	+0.02	66.34	66.35	-0.01	.	17 7 31.2	30.7	+0.5	46.8	48.52	-1.7
5.0	K.	.	9 2 49.98	50.06	-0.08	66.20	66.26	-0.06	.	16 51 16.7	16.5	+0.2	47.1	48.65	-1.5
6.0	Br.	.	9 6 39.90	40.04	-0.14	66.10	66.17	-0.07	.	16 34 47.3	45.9	+1.4	48.0	48.79	-0.8
8.0	K.	II	9 14 18.40	18.29	+0.11	.	.	.	N.	16 0 57.6	56.6	+1.0	.	.	.
16.0	Br.	.	9 44 29.08	29.15	-0.07	65.30	65.36	-0.06	.	13 35 44.2	42.6	+1.6	49.2	50.41	-1.2
17.0	K.	.	9 48 13.22	13.13	+0.09	65.21	65.29	-0.08	.	13 16 31.9	31.4	+0.5	49.8	50.59	-0.8
18.0	Br.	.	9 51 56.58	56.61	-0.03	65.16	65.22	-0.06	.	12 57 9.6	7.6	+2.0	50.8	50.78	0.0
20.0	B.	.	9 59 22.14	22.07	+0.07	65.04	65.08	-0.04	.	12 17 42.9	43.9	-1.0	51.6	51.17	+0.4
23.0	La.	.	10 10 26.64	26.67	-0.03	64.76	64.88	-0.12	.	11 17 12.4	11.7	+0.7	49.5	51.79	-2.3
24.0	B.	.	10 14 7.38	7.28	+0.10	64.76	64.82	-0.06	.	10 56 38.9	39.5	-0.6	50.3	52.01	-1.7
26.0	K.	.	10 21 27.30	27.25	+0.05	64.64	64.70	-0.06	.	10 15 4.0	4.2	-0.2	51.3	52.45	-1.1
27.0	B.	.	10 25 6.69	6.62	+0.07	64.62	64.65	-0.03	.	9 54 2.2	1.8	+0.4	51.3	52.67	-1.4
30.0	Br.	.	10 36 2.48	2.49	-0.01	64.44	64.50	-0.06	.	8 50 2.1	0.0	+2.1	52.6	53.34	-0.7
31.0	La.	.	10 39 40.50	40.43	+0.07	64.40	64.45	-0.05	.	8 28 23.2	22.0	+1.2	53.3	53.57	-0.3
Sept. 1.0	Br.	.	10 43 18.03	18.07	-0.04	64.38	64.40	-0.02	.	8 6 37.0	35.8	+1.2	54.4	53.80	+0.6
2.0	K.	.	10 46 55.44	55.42	+0.02	64.32	64.36	-0.04	.	.	.	.	.	.	.
3.0	B.	.	10 50 32.48	32.49	-0.01	64.38	64.32	+0.06	.	7 22 40.2	40.2	0.0	55.7	54.26	+1.4
6.0	B.	.	11 1 22.38	22.35	+0.03	64.20	64.22	-0.02	.	6 15 52.8	53.0	-0.2	53.2	54.97	-1.8
7.0	K.	II	11 4 58.54	58.57	-0.03	.	.	.	.	.	.	.	.	.	.
8.0	L.	.	11 8 34.57	34.62	-0.05	64.17	64.17	0.00	.	5 30 47.6	49.2	-1.6	54.8	55.45	-0.6
9.0	K.	.	11 12 10.49	10.53	-0.04	64.13	64.15	-0.02	.	5 8 8.8	8.6	+0.2	56.4	55.69	+0.7
10.0	B.	.	11 15 46.36	46.32	+0.04	64.12	64.13	-0.01	.	4 45 21.9	22.7	-0.8	55.3	55.93	-0.6
12.0	L.	.	11 22 57.62	57.58	+0.04	64.06	64.09	-0.03	.	3 59 35.4	36.2	-0.8	57.0	56.43	+0.6
13.0	K.	.	11 26 33.12	33.08	+0.04	64.10	64.08	+0.02	.	3 36 36.1	36.3	-0.2	55.7	56.68	-1.0
17.0	B.	.	11 40 54.74	54.69	+0.05	64.08	64.06	+0.02	.	2 4 0.1	0.8	-0.7	57.1	57.73	-0.6
19.0	K.	.	11 48 5.48	5.48	0.00	64.04	64.07	-0.03	.	1 17 27.4	26.4	+1.0	57.9	58.27	-0.4
20.0	L.	.	11 51 40.97	40.92	+0.05	64.07	64.08	-0.01	.	0 54 6.5	6.4	+0.1	57.7	58.54	-0.8
21.0	S.	.	11 55 16.44	16.41	+0.03	63.98	64.09	-0.11	.	+0 30 44.8	44.9	-0.1	56.9	58.81	-1.9
23.0	K.	II	12 2 27.68	27.69	-0.01	.	.	.	.	0 16 0.2	1.0	+0.8	57.8	59.36	-1.6
24.0	B.	.	12 6 3.58	3.50	+0.08	64.12	64.15	-0.03	.	0 39 26.8	24.9	-1.9	58.6	59.64	-1.0
26.0	L.	.	12 13 15.61	15.54	+0.07	64.16	64.21	-0.05	.	1 26 14.2	12.6	-1.6	59.9	60.20	-0.3
27.0	K.	.	12 16 51.83	51.82	+0.01	64.16	64.24	-0.08	.	1 49 36.6	35.8	-0.8	58.8	60.47	-1.7
28.0	S.	.	12 20 28.32	28.31	+0.01	64.20	64.27	-0.07	.	2 12 58.9	58.2	-0.7	60.1	60.75	-0.6
29.0	L.	.	12 24 5.13	5.03	+0.10	64.30	64.31	-0.01	.	2 36 20.5	19.4	-1.1	15 59.6	61.03	-1.4
30.0	K.	.	12 27 41.90	42.01	-0.11	64.30	64.35	-0.05	.	2 59 37.7	39.0	+1.3	16 0.7	1.31	-0.6
Oct. 1.0	B.	.	12 31 19.30	19.26	+0.04	64.33	64.39	-0.06	.	3 22 56.8	56.8	0.0	0.9	1.58	-0.7
6.0	L.	.	12 49 30.64	30.57	+0.07	64.62	64.65	-0.03	.	5 18 46.4	46.3	-0.1	2.2	2.95	-0.7
7.0	K.	.	12 53 9.98	10.00	-0.02	64.70	64.71	-0.01	.	5 41 44.7	45.8	+1.1	1.9	3.22	-1.3
10.0	L.	.	13 4 11.02	10.98	+0.04	64.87	64.90	-0.03	.	6 50 17.7	17.3	-0.4	2.9	4.03	-1.1
11.0	Br.	.	13 7 52.23	52.27	-0.04	64.91	64.97	-0.06	.	7 12 57.2	57.4	+0.2	2.5	4.30	-1.8
12.0	S.	.	13 11 34.04	34.07	-0.03	64.94	65.05	-0.11	.	7 35 31.9	31.7	-0.2	2.0	4.57	-2.6
13.0	L.	.	13 15 16.50	16.40	+0.10	65.18	65.13	+0.05	.	7 57 60.4	59.7	-0.7	4.6	4.84	-0.2
15.0	B.	.	13 22 42.72	42.69	+0.03	65.26	65.29	-0.03	.	8 42 35.5	35.5	0.0	4.1	5.39	-1.3
17.0	K.	.	13 30 11.28	11.26	+0.02	65.46	65.46	0.00	.	9 26 39.9	41.6	+1.7	4.9	5.94	-1.0
19.0	S.	.	13 37 42.24	42.23	+0.01	65.55	65.64	-0.09	.	10 10 15.4	14.5	-0.9	4.8	6.49	-1.7
20.0	L.	.	13 41 28.75	28.64	+0.11	65.77	65.73	+0.04	.	10 31 48.6	47.6	-1.0	5.4	6.77	-1.4
22.0	Br.	.	13 49 3.36	3.38	-0.02	65.90	65.93	-0.03	.	11 14 23.9	25.0	+1.1	7.3	7.31	0.0
24.0	L.	.	13 56 40.79	40.79	0.00	66.14	66.13	+0.01	.	11 56 22.9	21.6	-1.3	6.7	7.85	-1.1
25.0	Br.	.	14 0 30.48	30.53	-0.05	66.14	66.23	-0.09	.	12 17 2.3	3.6	+1.3	8.5	8.12	+0.4
27.0	L.	.	14 8 12.05	12.15	-0.10	66.49	66.44	+0.05	.	12 57 53.8	53.2	-0.6	6.7	8.65	-1.9
28.0	K.	.	14 12 4.04	4.07	-0.03	66.50	66.55	-0.05	.	13 17 58.4	59.8	+1.4	8.5	8.91	-0.4
31.0	K.	.	14 23 44.40	44.43	-0.03	66.88	66.89	-0.01	.	14 17 3.1	3.1	0.0	8.8	9.66	-0.9
Nov. 1.0	La.	.	14 27 39.42	39.48	-0.06	66.98	67.00	-0.02	.	14 36 16.6	17.2	+0.6	9.6	9.91	-0.3
2.0	S.	.	14 31 35.26	35.33	-0.07	67.06	67.11	-0.05	.	14 55 17.9	17.4	-0.5	7.3	10.15	-2.8
3.0	L.	.	14 35 32.10	32.01	+0.09	67.26	67.23	+0.03	.	15 14 3.9	2.9	-1.0	10.4	10.39	0.0
4.0	K.	.	14 39 29.58	29.52	+0.06	67.30	67.34	-0.04	.	15 32 34.2	33.7	-0.5	8.4	10.63	-2.2
5.0	La.	.	14 43 27.84	27.90	-0.06	67.43	67.46	-0.03	.	15 50 49.0	49.1	+0.1	7.7	10.87	-3.2
7.0	L.	.	14 51 27.34	27.19	+0.15	67.75	67.70	+0.05	.	16 26 33.7	32.5	-1.2	10.0	11.33	-1.3
8.0	Br.	.	14 55 28.10	28.14	-0.04	67.73	67.82	-0.09	.	-16 43 59.0	59.4	+0.4	16 10.1	11.55	-1.4

SUN—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Nov. 9.0	S.	II	14 59 29.98	29.94	+0.04	67.84	67.94	-0.10	.	-17 1 9.2	9.5	+0.3	16 9.6	11.78	-2.2
11.0	K.	.	15 7 36.10	36.15	-0.05				.	17 34 35.2	37.0	+1.8	13.2	12.22	+1.0
12.0	B.	.	15 11 40.56	40.56	0.00	68.42	68.30	+0.12	.	17 50 53.1	53.5	+0.4	13.1	12.44	+0.7
15.0	La.	.	15 23 58.96	58.88	+0.08	68.66	68.65	+0.01	.	18 37 48.3	49.9	+1.6	11.6	13.07	-1.5
19.0	B.	.	15 40 35.12	34.99	+0.13	69.09	69.11	-0.02	.	19 35 45.5	45.5	0.0	12.7	13.91	-1.2
21.0	K.	.	15 48 58.03	57.87	+0.16	69.30	69.33	-0.03	.	20 2 35.9	36.6	+0.7	12.2	14.31	-2.1
23.0	S.	.	15 57 23.84	23.86	-0.02	69.42	69.55	-0.13	.	20 27 59.0	59.5	+0.5	12.3	14.69	-2.4
25.0	K.	.	16 5 52.89	52.90	-0.01	69.71	69.75	-0.04	.	20 51 50.0	51.3	+1.3	13.9	15.05	-1.1
30.0	S.	.	16 27 18.13	18.09	+0.04	70.13	70.23	-0.10	.	21 44 36.3	36.0	-0.3	14.3	15.87	-1.6
Dec. 1.0	L.	.	16 31 37.32	37.19	+0.13	70.48	70.32	+0.16	.	21 53 55.8	55.3	-0.5	16.0	16.02	0.0
2.0	K.	.	16 35 56.98	56.92	+0.06	70.35	70.41	-0.06	.	22 2 49.1	49.4	+0.3	14.2	16.16	-2.0
7.0	S.	.	16 57 44.53	44.59	-0.06	70.69	70.76	-0.07	.	22 40 53.2	52.5	-0.7	14.0	16.80	-2.8
8.0	L.	.	17 2 7.86	7.73	+0.13	70.92	70.82	+0.10	.	22 47 10.6	9.9	-0.7	15.6	16.91	-1.3
9.0	K.	.	17 6 31.39	31.37	+0.02	70.93	70.88	+0.05	.	22 53 0.7	0.4	-0.3	17.0	17.02	0.0
10.0	B.	.	17 10 55.46	55.44	+0.02	71.04	70.93	+0.11	.	22 58 22.5	23.7	+1.2	18.0	17.13	+0.9
13.0	El.	.	17 24 9.86	9.95	-0.09	71.14	71.08	+0.06	.	23 11 48.1	49.1	+1.0	18.5	17.44	+1.1
14.0	S.	.	17 28 35.40	35.46	-0.06	71.18	71.13	+0.05	.	23 15 20.4	22.3	+1.9	15.0	17.53	-2.5
15.0	L.	.	17 33 1.38	1.21	+0.17	71.26	71.17	+0.09	S.	23 18 29.3	27.4	-1.9	.	.	.
16.0	K.	.	17 37 27.27	27.19	+0.08	71.22	71.19	+0.03	.	23 21 4.2	4.7	+0.5	17.7	17.71	0.0
23.0	K.	.	18 8 32.38	32.36	+0.02	71.32	71.27	+0.05	.	23 26 16.6	16.6	0.0	16.6	18.19	-1.6
28.0	S.	.	18 30 43.68	43.73	-0.05	71.14	71.18	-0.04	.	23 15 54.1	52.5	-1.6	16.2	18.36	-2.2
30.0	B.	.	18 39 35.08	35.07	+0.01	71.12	71.12	0.00	.	23 8 28.2	26.4	-1.8	14.1	18.39	-4.3
1899.															
Jan. 7.0	El.	.	19 14 47.59	47.73	-0.14	70.82	70.71	+0.11	.	22 20 21.6	21.5	-0.1	19.8	18.27	+1.5
20.0	K.	.	20 10 47.96	47.99	-0.03	69.58	69.56	+0.02	.	20 3 20.2	20.1	-0.1	16.4	17.48	-1.1
21.0	Br.	.							.	19 50 0.5	1.5	+1.0	16.8	17.39	-0.6
25.0	L.	.	20 31 47.60	47.59	+0.01	69.08	69.03	+0.05	.	18 53 8.6	9.6	+1.0	17.0	16.97	0.0
26.0	Br.	.	20 35 57.07	57.10	-0.03	68.85	68.92	-0.07	.	18 38 1.2	4.3	+3.1	15.8	16.85	-1.0
27.0	K.	.	20 40 5.74	5.79	-0.05	68.91	68.80	+0.11	.	18 22 37.0	38.5	+1.5	15.4	16.72	-1.3
30.0	La.	.	20 52 26.87	27.02	-0.15	68.44	68.47	-0.03	.	17 34 23.2	23.5	+0.3	15.2	16.32	-1.1
Feb. 1.0	S.	.	21 0 37.14	37.13	+0.01	68.22	68.24	-0.02	.	17 0 40.3	39.0	-1.3	15.2	16.02	-0.8
4.0	Br.	.	21 12 46.15	46.25	-0.10	67.88	67.89	-0.01	.	16 7 47.2	48.3	+1.1	14.8	15.53	-0.7
9.0	L.	.	21 32 45.50	45.54	-0.04	67.40	67.32	+0.08	.	14 34 15.8	14.5	-1.3	16.5	14.65	+1.9
20.0	El.	.	22 15 36.34	36.37	-0.03	66.14	66.18	-0.04	.	10 48 18.0	17.5	-0.5	11.2	12.50	-1.3
23.0	L.	.	22 27 2.68	2.66	+0.02	65.88	65.91	-0.03	.	9 42 50.2	48.8	-1.4	11.2	11.83	-0.6
24.0	K.	.	22 30 50.09	50.17	-0.08	65.81	65.82	-0.01	.	9 20 42.4	41.0	-1.4	11.0	11.61	-0.6
25.0	El.	.	22 34 37.02	37.09	-0.07	65.70	65.74	-0.04	.	8 58 24.9	25.2	+0.3	11.5	11.38	+0.1
28.0	Br.	.	22 45 54.40	54.46	-0.06	65.48	65.49	-0.01	.	7 50 49.4	50.4	+1.0	9.9	10.66	-0.8
Mar. 6.0	La.	.	23 8 15.84	15.96	-0.12	65.02	65.10	-0.08	.	5 32 46.2	45.7	-0.5	9.0	9.13	-0.1
16.0	L.	.	23 45 2.04	2.03	+0.01	64.69	64.63	+0.06	.	1 37 18.2	17.4	-0.8	7.2	6.51	+0.7
17.0	K.	.	23 48 41.12	41.12	0.00	64.48	64.61	-0.13	.	-1 13 34.6	34.9	+0.3	6.2	6.24	0.0
21.0	Br.	.	0 3 15.58	15.67	-0.09	64.47	64.53	-0.06	.	+0 21 12.8	13.0	-0.2	5.8	5.17	+0.6
23.0	El.	.	0 10 32.16	32.15	+0.01	64.50	64.51	-0.01	.	1 8 29.2	31.0	-1.8	3.3	4.63	-1.3
24.0	K.	.	0 14 10.18	10.23	-0.05	64.46	64.50	-0.04	.	1 32 7.4	7.4	0.0	4.2	4.36	-0.2
29.0	S.	.	0 32 20.34	20.43	-0.09	64.44	64.49	-0.05	.	3 29 28.0	29.1	-1.1	2.0	2.97	-1.0
30.0	L.	.							.	3 52 46.6	47.0	-0.4	2.9	2.69	+0.2
Apr. 1.0	B.	.	0 43 15.12	15.10	+0.02	64.44	64.52	-0.08	.	4 39 10.4	10.5	-0.1	1.6	2.12	-0.5
3.0	La.	.	0 50 32.11	32.21	-0.10	64.58	64.56	+0.02	.	5 25 13.9	14.0	-0.1	1.3	1.56	-0.3
4.0	El.	.	0 54 10.92	10.99	-0.07	64.45	64.59	-0.14	.	5 48 8.0	7.7	+0.3	16 0.3	1.28	-1.0
5.0	S.	.	0 57 49.94	49.96	-0.02	64.52	64.62	-0.10	.	6 10 55.8	55.3	+0.5	15 59.1	61.00	-1.9
6.0	L.	.	1 1 29.12	29.14	-0.02	64.62	64.65	-0.03	.	6 33 36.6	36.7	-0.1	59.7	60.72	-1.0
10.0	La.	.	1 16 8.18	8.21	-0.03	64.66	64.79	-0.13	.	8 3 11.2	11.7	-0.5	58.5	59.61	-1.1
11.0	L.	.	1 19 48.68	48.64	+0.04	64.86	64.83	+0.03	.	8 25 16.8	16.0	+0.8	58.2	59.34	-1.1
13.0	El.	.	1 27 10.40	10.38	+0.02	64.91	64.92	-0.01	.	9 8 58.0	58.9	-0.9	59.0	58.80	+0.2
17.0	La.	.	1 41 57.69	57.76	-0.07	65.11	65.13	-0.02	.	10 34 31.6	31.8	-0.2	56.2	57.76	-1.6
18.0	El.	.	1 45 40.48	40.49	-0.01	65.10	65.19	-0.09	.	10 55 29.3	29.5	-0.2	56.5	57.50	-1.0
19.0	See.	.	1 49 23.58	23.61	-0.03	65.02	65.24	-0.22	.	11 16 17.4	16.3	+1.1	54.2	57.25	-3.0
20.0	L.	.	1 53 7.12	7.11	+0.01	65.26	65.29	-0.03	.	11 36 51.6	52.0	-0.4	55.9	56.99	-1.1
21.0	Br.	.	1 56 51.00	51.04	-0.04	65.40	65.34	+0.06	.						
22.0	B.	.	2 0 35.53	35.39	+0.14	65.44	65.40	+0.04	.	12 17 29.4	28.6	+0.8	56.9	56.49	+0.4
24.0	La.	.	2 8 5.42	5.44	-0.02	65.50	65.55	-0.05	.	12 57 16.8	16.8	0.0	55.4	55.99	-0.6
25.0	El.	.	2 11 51.18	51.17	+0.01	65.56	65.63	-0.07	.	13 16 51.4	52.0	-0.6	54.4	55.74	-1.3
27.0	L.	.	2 19 24.15	24.11	+0.04	65.82	65.79	+0.03	.	13 55 21.0	23.0	-2.0	54.2	55.24	-1.0
28.0	Br.	.	2 23 11.22	11.35	-0.13	65.88	65.86	+0.02	.	14 14 19.8	18.2	+1.6	56.4	54.99	+1.4
29.0	B.	.	2 26 59.12	59.11	+0.01	65.90	65.94	-0.04	.	14 32 59.5	59.4	+0.1	54.0	54.77	-0.7
May 1.0	La.	.	2 34 36.21	36.27	-0.06	66.06	66.09	-0.03	.						
2.0	B.	.	2 38 25.72	25.69	+0.03	66.12	66.17	-0.05	.	+15 27 37.0	36.1	+0.9	15 52.0	54.01	2.0

S U N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1899.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
May 4.0	L.	.	2 46 6.22	6.23	-0.01	66.30	66.33	-0.03	.	+16 2 43.7	44.9	-1.2	15 52.3	53.53	-1.2
9.0	Br.	.	3 5 27.74	27.70	+0.04	66.70	66.73	-0.03	.						
10.0	See.	.	3 9 21.76	21.73	+0.03	66.77	66.81	-0.04	.	17 41 41.1	39.9	+1.2	52.0	52.19	0.2
11.0	L.	.	3 13 16.31	16.34	-0.03	66.84	66.89	-0.05	.	17 57 9.0	8.5	+0.5	50.5	51.98	-1.5
12.0	K.	.	3 17 11.51	11.52	-0.01	67.00	66.98	+0.02	.	18 12 18.7	19.2	-0.5	51.6	51.78	-0.2
15.0	La.	.	3 29 0.40	0.42	-0.02	67.26	67.22	+0.04	.	18 56 0.7	59.7	+1.0	50.0	51.18	1.2
16.0	Ei.	.	3 32 57.90	57.83	+0.07	67.24	67.31	-0.07	.	19 9 56.8	55.2	+1.6	49.6	50.99	1.4
19.0	K.	.	3 44 53.38	53.31	+0.07	67.52	67.54	-0.02	.	19 49 44.3	43.5	+0.8	49.6	50.44	-0.8
20.0	B.	.	3 48 52.92	52.89	+0.03	67.60	67.62	-0.02	.	20 2 20.2	19.5	+0.7	49.6	50.26	0.7
23.0	Br.	.	4 0 54.66	54.73	-0.07	67.78	67.84	-0.06	.	20 38 6.3	3.4	+2.9	48.6	49.75	-1.2
24.0	See.	.	4 4 56.44	56.38	+0.06	67.80	67.91	-0.11	.	20 49 18.2	16.1	+2.1	47.6	49.58	2.0
25.0	L.	.	4 8 58.67	58.54	+0.13	67.97	67.98	-0.01	.	21 0 6.3	7.2	-0.9	49.1	49.42	-0.3
26.0	Ei.	.	4 13 1.24	1.20	+0.04	67.96	68.05	-0.09	.	21 10 37.9	36.7	+1.2	48.4	49.26	-0.9
27.0	La.	.	4 17 4.26	4.34	-0.08	68.02	68.12	-0.10	.	21 20 46.1	44.3	+1.8	46.9	49.10	-2.2
29.0	B.	.	4 25 12.16	12.07	+0.09	68.19	68.24	-0.05	.	21 39 53.4	53.2	+0.2	15 48.2	48.78	-0.6
June 2.0	L.	I	4 41 33.06	32.98	+0.08				.						
3.0	B.	.	4 45 39.26	39.25	+0.01	68.46	68.52	-0.06	S.	+22 21 8.8	8.3	+0.5			

SIX-INCH TRANSIT CIRCLE.

June 15.0	L.	.	5 35 17.68	17.63	+0.05	68.98	68.93	+0.05	N.	+23 19 49.6	49.6	0.0	15 45.0	46.77	-1.8
16.0	K.	.							.	23 22 3.8	4.3	-0.5	46.1	46.58	-0.5
19.0	La.	.	5 51 55.54	55.50	+0.04	69.02	68.97	+0.05	.	23 26 19.0	20.4	-1.4	48.0	46.52	+1.5
20.0	Br.	.	5 56 4.93	5.03	-0.10	69.07	68.97	+0.10	.	23 26 57.8	56.4	+1.4	47.6	46.42	+1.2
22.0	L.	.	6 4 24.01	24.02	-0.01	68.95	68.96	-0.01	.	23 26 52.8	53.7	-0.9	44.3	46.38	-2.1
23.0	K.	.	6 8 33.48	33.45	+0.03	69.00	68.95	+0.05	.	23 26 15.4	15.1	+0.3	47.4	46.33	+1.1
24.0	B.	.	6 12 42.82	42.80	+0.02	68.94	68.94	0.00	.	23 25 11.2	11.9	-0.7	45.7	46.25	-0.6
26.0	La.	II	6 21 1.06	1.18	-0.12				.	23 21 50.9	51.3	-0.4	45.2	46.16	-1.0
30.0	K.	.	6 37 36.24	36.20	+0.04	68.88	68.80	+0.08	.	23 10 16.1	14.5	+1.6			
July 1.0	B.	.	6 41 44.50	44.47	+0.03	68.84	68.77	+0.07	.	23 6 18.9	19.3	-0.4	47.5	46.14	+1.4
3.0	La.	.	6 50 0.18	0.26	-0.08	68.66	68.69	-0.03	.	22 57 16.2	15.8	+0.4	45.8	46.12	-0.3
7.0	Br.	I	7 6 28.14	28.23	-0.09				.	22 34 22.9	21.4	+1.5	45.6	46.14	-0.5
10.0	La.	.	7 18 45.32	45.33	-0.01	68.38	68.33	+0.05	.	22 13 4.2	3.8	+0.4	45.6	46.23	-0.6
11.0	Ei.	.	7 22 50.24	50.17	+0.07	68.25	68.27	-0.02	.	22 5 11.6	11.8	-0.2	45.8	46.27	-0.5
12.0	See.	.	7 26 54.58	54.57	+0.01	68.14	68.21	-0.07	.						
13.0	L.	.	7 30 58.52	58.46	+0.06	68.16	68.15	+0.01	.						
15.0	B.	.	7 39 4.83	4.77	+0.06	68.00	68.01	-0.01	.	21 29 57.8	58.8	-1.0	47.2	46.47	+0.7
17.0	La.	.	7 47 8.94	8.99	-0.05	67.80	67.87	-0.07	.	21 10 11.1	10.1	+1.0	45.7	46.60	-0.9
18.0	Br.	.	7 51 10.24	10.28	-0.04	67.77	67.79	-0.02	.	20 59 43.6	43.4	+0.2	46.6	46.67	-0.1
19.0	Ei.	.	7 55 10.99	11.02	-0.03	67.79	67.71	+0.08	N.	20 48 54.9	55.6	-0.7			
20.0	L.	.	7 59 11.28	11.20	+0.08	67.74	67.63	+0.11	.	20 37 45.8	46.8	-1.0	47.2	46.83	+0.4
21.0	K.	.	8 3 10.92	10.81	+0.11	67.58	67.55	+0.03	.	20 26 17.9	17.0	+0.9	46.4	46.91	-0.5
22.0	B.	.	8 7 9.92	9.86	+0.06	67.53	67.47	+0.06	.						
28.0	K.	.	8 30 51.91	51.96	-0.05	67.05	66.97	+0.08	.	18 56 28.0	27.3	+0.7	46.0	47.55	-1.6
Aug. 5.0	B.	.	9 1 55.32	55.26	+0.06	66.28	66.27	+0.01	.	16 55 6.6	5.9	+0.7	48.4	48.53	-0.1
7.0	La.	.	9 9 35.12	35.16	-0.04	66.12	66.10	+0.02	.	16 21 54.6	55.1	-0.5	47.7	48.82	-1.1
8.0	Ei.	.	9 13 24.23	24.22	+0.01	66.06	66.02	+0.04	.	16 4 55.9	55.9	0.0	49.7	48.97	+0.7
16.0	B.	.	9 43 35.76	35.79	-0.03	65.34	65.38	-0.04	.	13 40 13.2	12.5	+0.7	49.2	50.36	1.2
19.0	B.	.	9 54 46.13	46.06	+0.07	65.15	65.17	-0.02	.	12 42 13.8	14.2	-0.4	49.0	50.93	1.9
22.0	Br.	.	10 5 51.90	51.93	-0.03	64.93	64.96	-0.03	.	11 42 28.4	27.3	+1.1	50.7	51.52	0.8
23.0	B.	.	10 9 32.85	32.97	-0.12	64.76	64.90	-0.14	S.	11 22 9.0	8.9	+0.1			
25.0	Br.	.	10 16 53.69	53.80	-0.11	64.82	64.78	+0.04	.	10 40 62.0	59.8	+2.2	51.4	52.13	0.7
Sept. 1.0	Br.	.	10 42 25.20	25.27	-0.07	64.32	64.41	-0.09	.	8 11 52.0	51.2	+0.8	53.0	53.65	-0.6
4.0	U.	.	10 53 17.10	17.09	+0.01	64.22	64.29	-0.07	.	7 5 48.1	49.6	-1.5	53.2	54.34	-1.1
5.0	L.	.	10 56 54.02	53.87	+0.15	64.26	64.25	+0.01	.	6 43 34.9	34.7	+0.2	53.9	54.58	-0.7
6.0	B.	.	11 0 30.40	30.42	-0.02	64.20	64.22	-0.02	.	6 21 12.8	13.3	-0.5	54.7	54.82	-0.1
7.0	U.	I	11 4 6.89	6.77	+0.12				.						
8.0	L.	.	11 7 42.97	42.92	+0.05	64.15	64.17	-0.02	.	5 36 10.0	12.1	-2.1	54.8	55.32	-0.5
12.0	Ei.	.	11 22 5.87	5.90	-0.03	64.18	64.09	+0.09	.	4 5 5.2	5.8	-0.6	55.4	56.35	-1.0
13.0	B.	.	11 25 41.24	41.33	-0.09	64.06	64.08	-0.02	.	3 42 9.6	7.9	+1.7	54.6	56.62	-2.0
14.0	U.	.	11 29 16.74	16.67	+0.07	63.94	64.07	-0.13	.	3 19 6.0	6.1	-0.1	57.4	56.88	+0.5
15.0	L.	.	11 32 51.96	51.94	+0.02	64.14	64.06	+0.08	.	2 56 0.0	0.6	-0.6	55.8	57.14	-1.3
16.0	B.	.	11 36 27.22	27.17	+0.05	64.02	64.06	-0.04	.	2 32 51.8	51.9	-0.1	55.6	57.41	-1.8
21.0	U.	.	11 54 23.34	23.43	-0.09	64.04	64.09	-0.05	.	0 36 31.2	30.3	+0.9	56.2	58.74	-2.5
22.0	L.	.	11 57 58.86	58.88	-0.02	64.14	64.11	+0.03	.	+0 13 11.4	8.6	+2.8	58.8	59.01	-0.2
23.0	B.	.	12 1 34.40	34.43	-0.03	64.10	64.13	-0.03	.	0 10 12.4	14.2	+1.8	57.9	59.28	-1.4
27.0	S.	.	12 15 58.28	58.34	-0.06	64.28	64.24	+0.04	.	1 43 49.0	49.6	+0.6	59.2	60.34	-1.1
28.0	U.	.	12 19 34.79	34.85	-0.06	64.23	64.27	-0.04	.	2 7 13.0	12.7	-0.3	15 59.5	60.61	-1.1

M O O N—Continued.

M O O N—Continued.															
Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1895.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
May 4.4	L.	I	11 33 50.07	49.88	+0.19	.	.	.	N.	+ 2' 35 54.1	55.6	-1.5	.	.	.
28.2	P.	I	8 30 27.10	26.87	+0.23	.	.	.	N.	+22 34 11.4	13.7	-2.3	.	.	.
June 1.3	S.	I	12 8 27.10	26.80	+0.30	.	.	.	N.	- 2 18 46.9	47.1	+0.2	.	.	.
July 3.4	P.	I	16 22 42.58	42.42	+0.16	.	.	.	N.	-26 39 59.3	58.1	-1.2	.	.	.
30.3	P.	I	16 4 42.01	41.87	+0.14	.	.	.	N.	-26 2 4.2	4.2	0.0	.	.	.
Aug. 23.1	P.	I	12 56 21.41	21.33	+0.08	.	.	.	.	.	.	.	.	.	.
24.2	P.	I	13 51 8.57	8.41	+0.16	.	.	.	.	.	.	.	.	.	.
26.2	L.	I	15 45 20.70	20.58	+0.12	.	.	.	.	.	.	.	.	.	.
28.3	L.	I	17 44 12.76	12.60	+0.16	.	.	.	S.	-28 32 53.9	54.6	+0.7	.	.	.
31.4	L.	I	20 30 35.53	35.15	+0.38	.	.	.	S.	-22 21 16.1	15.4	-0.7	.	.	.
Sept. 2.5	L.	I	22 6 0.31	0.10	+0.21	.	.	.	S.	-13 3 42.4	42.9	+0.5	.	.	.
3.5	L.	.	22 50 14.79	14.74	+0.05	61.20	61.27	-0.07	.	- 7 35 24.2	25.5	+1.3	14 44.6	44.3	+0.3
4.5	L.	II	23 33 21.95	21.87	+0.08	.	.	.	N.	- 1 50 45.3	44.7	-0.6	.	.	.
11.8	L.	II	5 26 46.04	45.99	+0.05	.	.	.	N.	+28 27 30.2	31.3	-1.1	.	.	.
13.8	L.	II	7 35 30.66	30.78	-0.12	.	.	.	.	.	.	.	.	.	.
21.1	P.	I	14 21 26.39	26.48	-0.09	.	.	.	.	.	.	.	.	.	.
23.2	P.	I	16 21 18.41	18.33	+0.08	.	.	.	.	.	.	.	.	.	.
28.4	L.	I	21 3 42.31	42.13	+0.18	.	.	.	S.	-19 33 17.3	17.3	0.0	.	.	.
Oct. 1.4	L.	I	23 19 0.61	0.31	+0.30	.	.	.	.	.	.	.	.	.	.
3.5	L.	II	0 45 51.91	51.95	-0.04	.	.	.	N.	+ 7 50 42.8	44.9	-2.1	.	.	.
5.6	L.	II	2 19 35.20	35.39	-0.19	.	.	.	N.	+18 31 14.3	16.4	-2.1	.	.	.
21.1	L.	I	16 54 46.00	46.13	-0.13	.	.	.	.	.	.	.	.	.	.
22.2	L.	I	17 57 6.39	6.30	+0.09	.	.	.	.	.	.	.	.	.	.
23.2	L.	I	18 57 0.89	0.74	+0.15	.	.	.	S.	-27 14 31.3	32.5	+1.2	.	.	.
24.2	L.	I	19 53 12.04	11.68	+0.36	.	.	.	S.	-24 41 12.0	13.0	+1.0	.	.	.
25.3	L.	I	20 45 17.81	17.57	+0.24	.	.	.	S.	-20 59 53.0	53.1	+0.1	.	.	.
26.3	L.	I	21 33 43.03	42.78	+0.25	.	.	.	S.	-16 27 50.6	51.2	+0.6	.	.	.
29.4	L.	I	23 46 13.36	13.17	+0.19	.	.	.	S.	- 0 1 36.7	37.7	+1.0	.	.	.
Nov. 2.5	L.	II	2 53 39.07	38.95	+0.12	.	.	.	N.	+21 26 50.0	48.4	+1.6	.	.	.
19.1	P.	I	18 29 28.32	28.10	+0.22	.	.	.	.	.	.	.	.	.	.
21.2	P.	I	20 23 20.84	20.55	+0.29	.	.	.	S.	-22 26 54.2	56.4	+2.2	.	.	.
22.2	P.	I	21 13 53.10	52.78	+0.32	.	.	.	S.	-18 10 17.6	20.2	+2.6	.	.	.
29.4	P.	I	2 32 21.34	21.04	+0.30	.	.	.	S.	+19 42 13.9	11.0	+2.9	.	.	.
1896.															
Jan. 3.6	K.	II	10 9 0.82	0.81	+0.01	.	.	.	.	.	.	.	.	.	.
4.7	S.	II	11 2 51.96	52.12	-0.16	.	.	.	S.	+ 5 7 51.7	49.2	+2.5	.	.	.
18.1	S.	I	22 52 22.40	22.07	+0.33	.	.	.	.	.	.	.	.	.	.
26.4	L.	I	5 30 27.07	26.61	+0.46	.	.	.	N.	+28 13 0.2	1.1	-0.9	.	.	.
27.4	L.	I	6 35 17.33	16.78	+0.55	.	.	.	N.	+27 33 29.2	28.0	+1.2	.	.	.
July 13.1	L.	I	10 10 49.62	49.48	+0.14	.	.	.	.	.	.	.	.	.	.
17.2	K.	I	13 43 22.98	22.84	+0.14	.	.	.	N.	-15 46 20.1	18.9	-1.2	.	.	.
18.3	P.	I	14 40 51.06	50.68	+0.38	.	.	.	N.	-21 2 12.8	10.9	-1.9	.	.	.
Aug. 3.8	K.	II	4 47 44.88	44.83	+0.05	.	.	.	N.	+27 25 40.9	44.8	-3.9	.	.	.
4.9	P.	II	5 47 55.70	55.57	+0.13	.	.	.	.	.	.	.	.	.	.
5.9	L.	II	6 49 36.75	36.80	-0.05	.	.	.	.	.	.	.	.	.	.
11.1	K.	I	11 36 37.97	37.82	+0.15	.	.	.	.	.	.	.	.	.	.
14.2	K.	I	14 22 54.39	54.25	+0.14	.	.	.	N.	-19 37 12.2	12.3	+0.1	.	.	.
15.2	P.	I	15 22 59.12	58.86	+0.26	.	.	.	N.	-24 1 61.7	59.5	-2.2	.	.	.
16.3	K.	I	16 25 25.34	25.33	+0.01	.	.	.	.	.	.	.	.	.	.
17.3	L.	I	17 28 50.82	50.78	+0.04	.	.	.	S.	-27 54 59.0	57.9	-1.1	.	.	.
19.4	P.	I	19 30 47.16	47.01	+0.15	.	.	.	N.	-24 48 59.9	61.3	+1.4	.	.	.
24.6	L.	II	23 35 49.10	49.05	+0.05	.	.	.	N.	+ 0 15 31.6	33.5	-1.9	.	.	.
25.6	K.	II	0 19 24.23	24.30	-0.07	.	.	.	N.	+ 5 58 12.4	13.2	-0.8	.	.	.
26.6	P.	II	1 3 32.73	32.75	-0.02	.	.	.	N.	+11 25 17.6	18.9	-1.3	.	.	.
27.6	L.	II	1 49 13.34	13.51	-0.17	.	.	.	N.	+16 26 1.2	3.0	-1.8	.	.	.
28.7	K.	II	2 37 20.06	20.27	-0.21	.	.	.	N.	+20 48 50.4	49.7	+0.7	.	.	.
29.7	P.	II	3 28 34.65	34.55	+0.10	.	.	.	N.	+24 20 32.5	33.0	-0.5	.	.	.
30.7	P.	II				.	.	.	N.	+26 46 32.8	33.8	-1.0	.	.	.
31.8	L.	II	5 21 1.49	1.37	+0.12	.	.	.	.	.	.	.	.	.	.
Sept. 1.8	S.	II	6 20 55.21	55.20	+0.01	.	.	.	.	.	.	.	.	.	.
2.9	L.	II	7 21 27.38	27.29	+0.09	.	.	.	.	.	.	.	.	.	.
9.1	S.	I	13 2 16.94	16.63	+0.31	.	.	.	.	.	.	.	.	.	.
10.1	L.	I	14 0 34.30	34.14	+0.16	.	.	.	.	.	.	.	.	.	.
11.2	P.	I	15 1 31.09	30.95	+0.14	.	.	.	.	.	.	.	.	.	.

M O O N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1896.															
Oct. 9.1	K.	I	15 37 15.32	15.13	+0.19	.	.	.	S.	-14 29 27.3	28.6	+1.3	.	.	.
15.3	S.	I	21 35 24.76	24.60	+0.16	.	.	.	S.	+7 42 40.9	38.6	+2.3	.	.	.
19.4	S.	I	0 33 30.40	30.38	+0.02	.	.	.	S.	+17 46 5.2	5.2	0.0	.	.	.
21.5	P.	II	2 4 40.21	40.27	-0.06	.	.	.	N.	+21 50 34.3	35.1	-1.8	.	.	.
22.5	S.	II	2 53 47.38	47.54	-0.16	.	.	.	N.	+26 56 41.0	42.1	-1.1	.	.	.
24.6	P.	II	4 40 37.72	37.65	+0.07	.	.	.	N.	+26 41 12.7	8.3	+4.4	.	.	.
26.7	S.	II	6 35 6.30	6.40	-0.10	.	.	.	S.	+24 20 21.4	16.8	+4.6	.	.	.
27.7	K.	II	7 32 21.97	21.93	+0.04	.	.	.	S.	+9 42 44.6	44.0	+0.6	.	.	.
30.8	K.	II	10 16 4.47	4.56	-0.09	.	.	.	S.				.	.	.
Nov. 1.9	B.	II	12 3 2.37	2.39	-0.02	.	.	.	.				.	.	.
7.1	P.	I	17 18 23.01	22.89	+0.12	.	.	.	.				.	.	.
10.2	S.	I	20 25 23.15	22.88	+0.27	.	.	.	S.	-20 43 19.4	19.2	-0.2	.	.	.
13.3	K.	I	22 51 21.71	21.46	+0.25	.	.	.	S.	-5 13 57.8	59.0	+1.2	.	.	.
14.3	B.	I	23 35 11.29	10.94	+0.35	.	.	.	.				.	.	.
15.4	B.	I	0 18 37.94	37.77	+0.17	.	.	.	.				.	.	.
16.4	La.	I	1 2 48.14	47.99	+0.15	.	.	.	S.	+11 21 5.7	4.7	+1.0	.	.	.
17.4	K.	I	1 48 40.73	40.66	+0.07	.	.	.	S.	+16 16 35.0	32.5	+2.5	.	.	.
18.4	P.	I	2 37 4.43	4.10	+0.33	.	.	.	N.	+20 34 29.3	29.1	+0.2	.	.	.
Dec. 9.2	La.	I	21 45 46.91	46.71	+0.20	.	.	.	S.	-12 47 37.5	39.9	+2.4	.	.	.
10.2	P.	I	22 33 12.16	11.80	+0.36	.	.	.	S.	-7 12 39.3	41.2	+1.9	.	.	.
11.2	K.	I	23 18 11.75	11.49	+0.26	.	.	.	S.	-1 29 27.8	28.9	+1.1	.	.	.
12.3	S.	I	0 2 4.37	4.23	+0.14	.	.	.	S.	+4 10 26.1	23.7	+2.4	.	.	.
14.3	La.	I	1 31 15.83	15.58	+0.25	.	.	.	S.	+14 41 30.6	29.0	+1.6	.	.	.
16.4	S.	I	3 8 60.24	59.99	+0.25	.	.	.	S.	+22 56 61.3	59.4	+1.9	.	.	.
17.4	P.	I	4 2 34.14	33.79	+0.35	.	.	.	N.	+25 40 54.8	54.0	+0.8	.	.	.
28.8	B.	.	.	.	.	.	.	.	S.	-18 0 24.8	28.5	+3.7	.	.	.
1897.															
Jan. 6.1	La.	I	22 11 24.36	24.06	+0.30	.	.	.	S.	-9 39 56.6	58.9	+2.3	.	.	.
7.2	B.	I	22 58 14.73	14.46	+0.27	.	.	.	S.	-3 51 9.4	10.5	+1.1	.	.	.
8.2	S.	I	23 43 13.22	12.96	+0.26	.	.	.	S.	+1 57 45.5	42.1	+3.4	.	.	.
9.2	La.	I	0 27 34.17	33.93	+0.24	.	.	.	.				.	.	.
10.2	P.	I	1 12 27.62	27.11	+0.51	.	.	.	S.	+12 51 29.1	26.3	+2.8	.	.	.
11.3	La.	I	1 58 56.25	55.99	+0.26	.	.	.	S.	+17 36 44.4	42.3	+2.1	.	.	.
12.3	K.	I	2 47 54.42	54.08	+0.34	.	.	.	S.	+21 39 60.7	58.7	+2.0	.	.	.
18.5	B.	.	.	.	.	.	.	.	S.	+20 10 27.4	26.2	+1.2	.	.	.
19.6	S.	II	9 22 23.83	23.84	-0.01	.	.	.	S.	+15 6 24.6	21.4	+3.2	.	.	.
21.6	B.	II	11 7 0.64	0.63	+0.01	.	.	.	S.	+2 40 58.4	55.5	+2.9	.	.	.
22.7	K.	II	11 58 33.01	33.06	-0.05	.	.	.	S.	-3 59 1.4	3.7	+2.3	.	.	.
24.7	B.	II	13 46 12.56	12.50	+0.06	.	.	.	S.	-16 26 15.6	20.3	+4.7	.	.	.
25.8	S.	II	14 44 31.63	31.65	-0.02	.	.	.	S.	-21 27 39.3	41.7	+2.4	.	.	.
28.9	K.	II	17 56 44.08	44.36	-0.28	.	.	.	.				.	.	.
Feb. 4.1	B.	I	23 23 10.80	10.47	+0.33	.	.	.	S.	-0 35 2.3	0.8	-1.5	.	.	.
9.2	K.	I	3 17 24.97	24.49	+0.48	.	.	.	S.	+23 38 16.3	15.5	+0.8	.	.	.
13.4	P.	I	7 3 15.04	14.53	+0.51	.	.	.	N.	+25 23 58.4	58.1	+0.3	.	.	.
14.4	S.	I	8 1 6.82	6.53	+0.29	.	.	.	N.	+22 9 31.8	31.2	+0.6	.	.	.
16.5	K.	I	9 52 8.32	8.21	+0.11	.	.	.	N.	+11 52 55.3	54.6	+0.7	.	.	.
17.5	S.	II	10 45 32.32	32.31	+0.01	.	.	.	S.	+5 26 7.4	6.8	+0.6	.	.	.
19.6	K.	II	12 32 16.05	16.12	-0.07	.	.	.	S.	-8 11 47.9	49.2	+1.3	.	.	.
23.8	S.	II	16 31 37.33	37.50	-0.17	.	.	.	S.	-26 42 40.1	39.6	-0.5	.	.	.
25.8	S.	II	18 39 59.34	59.42	-0.08	.	.	.	.				.	.	.
26.9	La.	II	19 40 21.62	21.79	-0.17	.	.	.	.				.	.	.
Mar. 10.2	La.	I	4 43 6.88	6.48	+0.40	.	.	.	S.	+26 53 34.4	30.8	+3.6	.	.	.
12.3	K.	I	6 36 32.75	32.43	+0.32	.	.	.	N.	+26 16 52.7	50.9	+1.8	.	.	.
14.4	S.	I	8 29 47.06	46.84	+0.22	.	.	.	N.	+19 55 3.8	2.6	+1.2	.	.	.
16.4	K.	I	10 18 36.85	36.61	+0.21	.	.	.	.				.	.	.
21.6	S.	II	15 4 30.80	31.09	-0.29	.	.	.	S.	-22 40 24.2	25.7	+1.5	.	.	.
22.7	B.	II	16 9 43.12	43.34	-0.22	.	.	.	S.	-25 54 3.9	4.2	+0.3	.	.	.
26.8	La.	II	20 19 53.45	53.56	-0.11	.	.	.	.				.	.	.
27.9	La.	II	21 12 48.27	48.23	+0.04	.	.	.	.				.	.	.
Apr. 5.1	Br.	I	3 29 51.28	50.86	+0.42	.	.	.	.				.	.	.
11.3	S.	I	8 58 59.38	59.10	+0.28	.	.	.	N.	+17 9 14.7	16.0	-1.3	.	.	.
12.4	Br.	I	9 51 53.73	53.50	+0.23	.	.	.	N.	+11 41 40.3	39.2	+1.1	.	.	.
15.5	B.	I	12 32 58.52	58.64	-0.12	.	.	.	N.	-8 13 32.1	31.0	-1.1	.	.	.
17.5	La.	II	14 33 35.24	35.13	+0.11	.	.	.	S.	-20 21 35.9	37.7	+1.8	.	.	.
18.6	S.	II	15 39 43.25	43.24	+0.01	.	.	.	S.	-24 29 26.8	26.9	+0.1	.	.	.
19.6	Br.	II	16 48 12.15	12.16	-0.01	.	.	.	S.	-26 42 26.8	25.8	-1.0	.	.	.
20.7	K.	II	17 56 19.23	19.28	-0.05	.	.	.	S.	-26 50 43.9	42.0	-1.9	.	.	.

MOON - Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	" "	"	"
Apr. 21.7	S.	.							N.	-25 3 33.7	31.6	2.1			
22.7	B.	II	20 1 25.43	25.47	-0.04				N.	-21 43 31.8	30.1	1.7			
26.9	La.	II	23 19 47.64	47.65	-0.01				N.	-0 53 18.8	16.3	-2.5			
27.9	S.	II	0 4 18.19	18.17	+0.02										
May 6.2	B.	I	6 50 57.21	56.70	+0.51										
7.2	K.	I	7 45 27.75	27.42	+0.33										
8.2	La.	I	8 38 31.43	31.10	+0.33				N.	+18 41 59.4	59.3	+0.1			
9.3	S.	I	9 30 13.66	13.33	+0.33				N.	+13 46 23.7	24.5	-0.8			
13.4	B.	I	13 0 24.51	24.61	-0.10				N.	-11 31 60.1	56.6	3.5			
15.5	S.	I	15 4 18.45	18.40	+0.05				S.	-22 29 6.5	6.3	-0.2			
16.5	S.	II	16 12 47.79	47.78	+0.01				S.	-25 43 16.4	15.0	1.4			
17.6	Br.	II	17 23 7.33	7.27	+0.06				S.	-26 52 30.9	30.4	-0.5			
18.6	K.	II	18 31 55.41	55.29	+0.12				S.	-25 53 34.6	30.9	3.7			
19.7	S.	II	19 36 21.99	22.07	-0.08				N.	-23 3 59.1	55.7	3.4			
20.7	B.	II	20 35 14.59	14.51	-0.02				N.	-18 52 40.4	39.6	-0.8			
21.7	Br.	II	21 28 49.60	49.51	+0.09				N.	-13 48 51.2	50.6	-0.6			
22.8	La.	II	22 18 12.15	12.21	-0.06				N.	-8 16 18.1	15.6	-2.5			
24.8	Br.	II	23 49 43.15	43.18	-0.03				N.	+3 8 42.1	43.8	1.7			
25.8	K.	II	0 34 23.96	24.02	-0.06				N.	+8 36 58.9	59.6	0.7			
June 6.2	S.	I	10 3 30.89	30.65	+0.24				N.	+9 50 38.5	38.4	+0.1			
9.3	S.	I	12 35 48.34	48.07	+0.27				N.	-8 54 31.9	28.7	-3.2			
10.3	K.	I	13 31 33.84	33.57	+0.27				N.	-15 0 29.1	27.4	1.7			
11.4	B.	I	14 31 55.20	55.30	-0.10				N.	-20 20 6.6	5.5	-1.1			
12.4	La.	I	15 37 15.75	15.65	+0.10				S.	-24 20 53.0	53.1	+0.1			
13.5	S.	I	16 46 26.99	26.89	+0.10				S.	-26 31 58.3	58.0	-0.3			
14.5	K.	II	17 56 40.98	40.76	+0.22				S.	-26 35 19.6	17.9	-1.7			
18.7	K.	II	21 57 29.25	29.12	+0.13				N.	-10 27 44.2	44.8	0.6			
20.7	S.	II	23 32 39.49	39.48	+0.01				N.	+1 13 3.4	6.2	-2.8			
21.8	Br.	II	0 18 1.11	1.26	-0.15										
22.8	K.	II	1 3 31.49	31.46	+0.03				N.	-12 8 7.9	7.6	+0.3			
23.8	S.	II	1 50 11.51	11.59	-0.08				N.	+16 52 19.1	20.8	1.7			
24.8	K.	II	2 38 50.02	50.08	-0.06				N.	-20 54 9.4	4.1	+5.3			
July 2.1	K.	I	8 57 38.46	38.39	+0.07										
4.2	S.	I	10 37 53.04	52.85	+0.19				N.	+5 34 59.2	59.6	-0.4			
5.2	Br.	I	11 27 20.67	20.51	+0.16				N.	-0 37 40.2	41.8	+1.6			
6.2	L.	I	12 17 55.29	55.21	+0.08				N.	-6 55 59.0	57.2	1.8			
8.3	L.	I	14 7 42.89	42.71	+0.18				N.	-18 30 10.1	8.6	-1.5			
11.4	S.	I	17 23 13.43	13.43	0.00				S.	-26 52 3.8	3.4	-0.4			
13.5	L.	I	19 36 45.11	44.89	+0.22										
14.5	K.	II	20 37 12.93	12.77	+0.16				N.	-18 28 24.2	24.1	0.1			
15.6	La.	II	21 32 42.66	42.52	+0.14				N.	-13 6 51.2	49.9	1.3			
18.7	S.	II	23 58 56.65	56.65	0.00				N.	-4 37 54.4	53.5	0.9			
21.8	S.	II	2 19 53.90	53.92	-0.02				N.	+19 32 27.3	29.2	1.9			
22.8	L.	II	3 10 10.86	10.85	+0.01				N.	+23 2 7.7	8.7	1.0			
23.8	La.	II	4 2 50.38	50.33	+0.05										
24.9	S.	II	4 57 37.11	36.92	+0.19										
25.9	Br.	II	5 53 43.54	43.28	+0.26										
31.1	La.	I	10 21 52.34	52.25	+0.09										
Aug. 2.1	Br.	I	12 2 28.86	28.72	+0.14				N.	-5 4 26.0	25.1	-0.9			
3.2	L.	I	12 54 41.86	41.66	+0.20				N.	-11 16 1.3	59.3	-2.0			
6.3	K.	I	15 51 23.18	23.01	+0.17				N.	-25 3 51.0	50.0	1.0			
7.3	La.	I	16 57 12.96	12.76	+0.20				N.	-26 44 37.5	35.6	1.9			
8.4	L.	I	18 3 57.63	57.58	+0.05				S.	-26 29 45.3	43.2	2.1			
12.5	B.	II	22 0 32.86	32.72	+0.14				N.	-10 1 42.6	43.4	+0.8			
13.6	K.	II	22 50 21.23	21.24	-0.01				N.	-4 1 20.7	20.0	0.7			
14.6	La.	II	23 38 6.45	6.42	+0.03				N.	+2 0 7.4	9.2	-1.8			
16.6	Br.	II	1 11 52.79	52.87	-0.08				N.	+13 7 6.7	6.4	+0.3			
17.7	L.	II	1 59 50.68	50.70	-0.02				N.	+17 48 49.4	49.4	0.0			
19.7	B.	II	3 41 16.60	16.50	+0.10				N.	+24 36 5.4	4.9	+0.5			
20.8	K.	II	4 35 5.23	5.09	+0.14				N.	+26 21 30.6	30.8	-0.2			
21.8	La.	II	5 30 26.30	26.22	+0.08				N.	+26 49 57.9	57.4	+0.5			
23.9	L.	II	7 22 7.20	6.99	+0.21										
31.1	L.	I	13 32 5.38	5.07	+0.31										
Sept. 1.2	La.	I	14 30 28.39	28.31	+0.08				N.	-20 16 17.6	17.0	-0.6			
2.2	B.	I	15 32 22.88	22.59	+0.29				N.	-24 7 21.3	21.9	+0.6			
3.2	S.	I	16 37 5.46	5.37	+0.09				N.	-26 20 11.9	10.5	-1.4			
4.3	La.	I	17 42 50.60	50.51	+0.09				N.	-26 41 40.1	41.3	+1.2			
5.3	S.	I	18 47 20.96	20.83	+0.13				S.	-25 12 1.6	59.4	2.2			
6.4	S.	I	19 48 43.12	43.21	-0.09				S.	-22 4 9.9	9.9	0.0			

MOON—Continued.

M O O N - Continued.																			
Date.	Observer.	Part observed.	Apparent Right Ascension of Center.			Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.			Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h	m	s	s	s	s	s	s		°	'	"	"	"	'	"	"
1897.																			
Sept. 7.4	L.	I	20	46	5.11	5.00	+0.11				S.	17	39	33.5	32.6	-0.9			
8.4	S.	I	21	39	33.03	33.04	0.01				S.	-12	21	55.3	56.9	+1.6			
9.5	B.	I	22	29	51.85	51.82	+0.03				S.	6	33	50.5	51.9	+1.4			
10.5	L.	I	23	18	1.99	1.95	+0.04	63.49	63.53	0.04	N.	-0	34	57.2	56.2	+1.0			
13.6	B.	II	1	39	52.42	52.34	+0.08				N.	+15	50	20.2	19.7	+0.5			
14.6	L.	II	2	29	5.09	5.05	+0.04				N.	+20	5	9.6	10.3	0.7			
15.7	S.	II	3	20	8.43	8.56	0.13				N.	+23	24	24.3	23.9	+0.4			
17.7	K.	II	5	7	31.55	31.24	+0.31				N.	+26	38	20.0	19.2	-0.8			
18.8	La.	II	6	2	44.21	44.03	+0.18				N.	+26	19	42.0	42.7	-0.7			
19.8	S.	I									S.	+24	41	3.3	0.6	2.7			
20.8	L.	II	7	52	9.64	9.44	+0.20				S.	+21	45	11.0	8.2	+2.8			
21.9	S.	II	8	45	17.37	17.22	+0.15				S.	+17	38	57.0	54.3	+2.7			
23.9	K.	II	10	28	49.81	49.74	+0.07												
29.1	S.	I	15	10	25.47	25.22	+0.25												
Oct. 3.3	B.	I	19	30	33.25	33.14	+0.11				S.	-22	58	28.4	28.3	0.1			
4.3	K.	I									S.	-18	58	33.6	33.2	-0.4			
5.3	L.	I	21	22	23.85	23.79	+0.06				S.	-14	1	37.3	39.9	+2.6			
6.4	S.	I	22	12	48.69	48.53	+0.16				S.	-8	29	26.7	28.4	+1.7			
7.4	L.	I	23	0	51.79	51.72	+0.07				S.	-2	40	32.6	34.7	+2.1			
9.5	La.	I	0	34	13.96	13.87	+0.09				N.	+8	45	21.9	20.9	+1.0			
11.5	L.	II	2	10	5.65	5.78	0.13												
12.6	Br.	II	3	0	31.18	31.43	0.25				N.	+22	5	49.9	47.2	+2.7			
13.6	S.	II	3	52	49.23	49.27	0.04				N.	+24	43	48.6	48.5	+0.1			
14.6	L.	II	4	46	38.00	37.91	+0.09				N.	+26	11	7.5	7.4	+0.1			
15.7	K.	II	5	41	14.40	14.12	+0.28				N.	+26	22	6.2	4.9	+1.3			
16.7	B.	II	6	35	45.33	45.14	+0.19				S.	+25	15	9.9	8.4	+1.5			
17.7	S.	II	7	29	25.67	25.52	+0.15				S.	+22	52	55.7	52.8	+2.9			
30.2	Br.	I	19	9	49.02	48.78	+0.24				S.	-23	46	56.5	57.7	+1.2			
31.2	S.	I	20	10	26.37	26.07	+0.30				S.	-20	6	17.9	18.7	-0.8			
Nov. 2.3	B.	I	21	57	33.60	33.49	+0.11				S.	-9	59	28.9	31.1	2.2			
3.3	S.	I	22	46	0.93	0.72	+0.21				S.	-4	17	30.7	33.7	+3.0			
4.4	L.	I	23	32	42.45	42.35	+0.10				S.	+1	27	53.9	50.3	+3.6			
5.4	Br.	I	0	18	48.60	48.62	-0.02				S.	+7	3	35.3	31.1	-4.2			
6.4	La.	I	1	5	21.31	21.01	+0.30				S.	+12	17	31.2	27.2	-4.0			
9.5	B.	II	3	34	25.89	25.78	+0.11				N.	+23	50	8.1	6.9	+1.2			
10.5	S.	II	4	27	48.61	48.61	0.00				N.	+25	40	10.8	11.6	0.8			
11.6	L.	II	5	22	12.71	12.65	0.06				N.	+26	15	40.7	40.2	+0.5			
12.6	K.	II	6	16	39.50	39.14	+0.36				S.	+25	33	58.4	56.0	+2.4			
13.6	Po.	II	7	10	12.57	12.44	+0.13				S.	+23	37	17.5	14.8	+2.7			
16.7	La.	II	9	42	10.20	10.08	+0.12				S.	+11	30	47.0	43.4	+3.6			
17.8	S.	II	10	31	6.29	6.27	+0.02				S.	+5	55	18.9	17.4	+1.5			
18.8	L.	II	11	20	41.19	41.08	-0.11				S.	-0	7	57.5	57.5	0.0			
19.8	Br.	II	12	12	10.55	10.55	0.00												
20.9	S.	II	13	6	56.91	57.00	0.09												
27.1	Po.	I	19	45	15.25	14.98	0.27												
29.2	K.	I	21	39	21.75	21.53	+0.22				S.	-11	42	47.8	48.0	-0.2			
30.2	La.	I	22	29	47.72	47.50	+0.22				S.	5	58	29.0	32.5	-3.5			
Dec. 1.3	S.	I	23	17	34.22	33.92	+0.30				S.	0	9	10.6	14.5	+3.9			
6.4	L.	I	3	17	8.85	8.58	+0.27				S.	+23	0	59.4	56.4	+3.0			
7.5	Br.	I	4	9	57.59	57.35	+0.24				N.	+25	11	24.0	23.7	+0.3			
8.5	S.	I	5	4	11.71	11.32	+0.39				N.	+26	9	30.6	30.9	0.3			
9.5	L.	II	5	58	53.08	52.68	+0.40				N.	+25	50	38.3	37.2	+1.1			
12.6	S.	II	8	36	20.36	20.37	0.01												
15.7	S.	II	11	1	24.30	24.26	0.04				S.	2	0	51.5	51.7	0.2			
16.8	Br.	II	11	50	19.22	19.21	0.01				S.	3	59	20.4	22.5	+2.1			
17.8	K.	II	12	41	35.20	35.06	+0.14				S.	9	59	39.6	38.2	+1.4			
18.8	B.	II	13	36	35.43	35.36	+0.07				S.	-15	40	14.7	16.7	+2.0			
27.2	L.	I	22	7	57.04	56.80	-0.24				S.	-8	21	37.4	38.3	+0.9			
28.2	La.	I	22	58	18.00	17.76	-0.24				S.	-2	20	33.0	33.1	-0.1			
30.2	L.	I	0	33	34.96	34.74	-0.22												
1898.																			
Jan. 3.4	L.	I	3	51	42.79	42.36	+0.43				S.	+24	38	61.3	59.4	+1.9			
4.4	Br.	I	4	45	30.07	29.76	+0.31				S.	+26	1	6.5	0.9	+5.6			
5.4	S.	I	5	40	13.00	12.46	+0.54				N.	+26	7	13.3	12.1	+1.2			
7.5	K.	II	7	28	20.73	20.41	+0.32				N.	+22	30	8.6	7.9	+0.7			
8.5	Po.	II	8	20	9.96	9.92	0.04				S.	+18	58	32.4	29.3	+3.1			
16.8	S.	II	15	12	32.72	32.86	0.14				S.	-22	52	56.3	58.7	+2.4			
17.9	L.	II	16	17	49.13	49.03	0.10				S.	-25	29	6.1	10.8	+4.7			
24.1	K.	I	22	33	31.50	31.29	-0.21												

M O O N—Continued.															
Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	" "	"	"
Jan. 26.2	S.	I	0 12 49.15	48.85	+0.30	.	.	.	S.	+ 6 45 45.3	43.7	+1.6	.	.	.
27.2	B.	I	1 1 12.55	12.28	+0.27	.	.	.	S.	+12 11 58.3	55.9	+2.4	.	.	.
28.2	L.	I	1 50 6.20	5.99	+0.21	.	.	.	S.	+16 57 50.1	50.9	-0.8	.	.	.
29.3	La.	I	2 40 13.39	13.00	+0.39	.	.	.	S.	+20 53 39.3	37.2	+2.1	.	.	.
30.3	S.	I	3 31 56.72	56.44	+0.28	.	.	.	S.	+23 50 9.5	6.9	+2.6	.	.	.
Feb. 2.4	S.	I	6 14 20.19	19.72	+0.47	.	.	.	N.	+25 31 38.6	38.5	+0.1	.	.	.
3.4	L.	I	7 8 24.94	24.47	+0.47	.	.	.	N.	+23 33 14.6	13.6	+1.0	.	.	.
4.5	K.	I	8 1 10.75	10.60	+0.15	.	.	.	N.	+20 24 23.7	22.1	+1.6	.	.	.
5.5	Po.	I	8 52 20.16	19.90	+0.26	.	.	.	N.	+16 14 29.1	29.2	-0.1	.	.	.
6.5	S.	II	9 42 0.91	0.83	+0.08	.	.	.	S.	+11 15 37.3	34.9	+2.4	.	.	.
7.6	K.	II	10 30 44.68	44.53	+0.15	.	.	.	S.	+ 5 41 15.4	14.1	+1.3	.	.	.
8.6	La.	II	11 19 19.19	19.17	+0.02	.	.	.	S.	- 0 13 49.1	52.2	+3.1	.	.	.
9.6	Po.	II	12 8 44.21	44.27	-0.06	.	.	.	.	.	.	.	.	.	.
10.6	L.	II	13 0 5.42	5.51	-0.09	.	.	.	S.	-12 1 35.4	35.2	-0.2	.	.	.
13.8	S.	II	15 54 48.52	48.65	-0.13	.	.	.	S.	-24 42 30.5	30.8	+0.3	.	.	.
15.8	S.	II	18 6 37.86	38.14	-0.28	.	.	.	.	.	.	.	.	.	.
16.9	L.	II	19 11 56.58	56.72	-0.14	.	.	.	.	.	.	.	.	.	.
23.1	S.	I	0 38 35.07	34.61	+0.46	.	.	.	.	.	.	.	.	.	.
24.1	L.	I	1 28 7.60	7.34	+0.26	.	.	.	S.	+14 48 16.1	16.0	+0.1	.	.	.
26.2	B.	I	3 10 19.01	18.63	+0.38	.	.	.	S.	+22 36 32.9	30.0	+2.9	.	.	.
27.2	S.	I	4 3 26.09	25.54	+0.55	.	.	.	S.	+24 55 13.5	11.0	+2.5	.	.	.
28.3	L.	I	4 57 34.57	34.14	+0.43	.	.	.	S.	+26 1 5.9	4.4	+1.5	.	.	.
Mar. 1.3	Br.	I	5 52 5.87	5.29	+0.58	.	.	.	N.	+25 50 46.2	45.2	+1.0	.	.	.
2.3	S.	I	6 46 13.19	12.63	+0.56	.	.	.	N.	+24 24 23.1	22.8	+0.3	.	.	.
3.4	L.	I	7 39 17.83	17.41	+0.42	.	.	.	N.	+21 45 51.5	50.9	+0.6	.	.	.
4.4	K.	I	8 31 0.26	59.84	+0.42	.	.	.	N.	+18 2 18.8	18.3	+0.5	.	.	.
5.4	Po.	I	9 21 24.11	23.66	+0.45	.	.	.	N.	+13 23 29.3	30.5	-1.2	.	.	.
6.5	S.	I	10 10 54.41	54.14	+0.27	.	.	.	N.	+ 8 1 16.3	16.7	-0.4	.	.	.
7.5	K.	I	11 0 13.87	13.64	+0.23	.	.	.	S.	+ 2 9 26.8	26.2	+0.6	.	.	.
8.5	La.	II	11 50 16.29	16.24	+0.05	.	.	.	S.	- 3 55 59.9	60.9	+1.0	.	.	.
9.6	S.	II	12 42 2.30	2.49	-0.19	.	.	.	S.	- 9 56 32.0	33.7	+1.7	.	.	.
10.6	L.	II	13 36 31.53	31.55	-0.02	.	.	.	S.	-15 30 59.5	57.7	-1.8	.	.	.
12.7	B.	II	15 36 2.67	2.90	-0.23	.	.	.	S.	-23 46 23.1	23.1	0.0	.	.	.
13.7	S.	II	16 40 29.54	29.84	-0.30	.	.	.	S.	-25 41 51.8	53.5	+1.7	.	.	.
14.8	L.	II	17 46 5.11	5.30	-0.19	.	.	.	S.	-25 49 14.5	11.4	-3.1	.	.	.
31.3	L.	I	8 8 28.43	28.08	+0.35	.	.	.	N.	+19 34 60.8	59.5	+1.3	.	.	.
Apr. 1.3	K.	I	8 58 48.07	47.69	+0.38	.	.	.	N.	+15 24 6.0	6.0	0.0	.	.	.
2.4	Po.	I	9 48 11.29	10.90	+0.39	.	.	.	N.	+10 25 2.9	4.7	-1.8	.	.	.
3.4	S.	I	10 37 20.12	19.82	+0.30	.	.	.	N.	+ 4 49 5.5	5.6	-0.1	.	.	.
5.5	La.	I	12 18 42.60	42.49	+0.11	.	.	.	S.	- 7 16 47.1	47.6	+0.5	.	.	.
6.5	S.	II	13 13 3.41	3.52	-0.09	.	.	.	S.	-13 9 6.3	6.5	+0.2	.	.	.
7.5	L.	II	14 11 5.26	5.23	+0.03	.	.	.	S.	-18 22 12.6	12.1	-0.5	.	.	.
8.6	K.	II	15 13 7.21	7.20	+0.01	.	.	.	S.	-22 28 19.9	18.2	-1.7	.	.	.
12.8	Po.	II	19 34 14.61	15.02	-0.41	.	.	.	N.	-21 43 10.1	5.6	-4.5	.	.	.
15.9	Br.	II	22 19 48.04	48.30	-0.26	.	.	.	N.	- 6 46 53.7	48.9	-4.8	.	.	.
29.3	K.	I	9 26 18.77	18.45	+0.32	.	.	.	.	.	.	.	.	.	.
30.3	Po.	I	10 14 30.59	30.15	+0.44	.	.	.	N.	+ 7 14 27.0	29.8	-2.8	.	.	.
May 1.3	S.	I	11 3 2.32	2.07	+0.25	.	.	.	N.	+ 1 32 33.6	36.0	-2.4	.	.	.
2.4	K.	I	11 53 1.10	0.83	+0.27	.	.	.	N.	- 4 25 20.1	18.9	-1.2	.	.	.
8.6	S.	II	18 6 10.90	11.26	-0.36	.	.	.	S.	-25 1 47.6	44.0	-3.6	.	.	.
9.7	Br.	II	19 12 22.13	22.27	-0.14	.	.	.	N.	-22 39 48.9	46.5	-2.4	.	.	.
10.7	L.	II	20 14 9.22	9.23	-0.01	.	.	.	N.	-18 46 59.3	56.1	-3.2	.	.	.
11.7	S.	II	21 11 12.52	12.69	-0.17	.	.	.	N.	-13 50 61.9	57.7	-4.2	.	.	.
13.8	K.	II	22 54 24.48	24.63	-0.15	.	.	.	N.	- 2 28 48.2	45.1	-3.1	.	.	.
17.9	S.	II	2 9 42.84	42.96	-0.12	.	.	.	.	.	.	.	.	.	.
24.1	Br.	I	7 28 53.26	53.03	+0.23	.	.	.	.	.	.	.	.	.	.
25.2	S.	I	8 19 5.53	5.15	+0.38	.	.	.	N.	+18 17 18.8	20.9	-2.1	.	.	.
27.2	B.	I	9 55 0.72	0.38	+0.34	.	.	.	N.	+ 9 11 6.2	6.3	-0.1	.	.	.
28.3	Po.	I	10 42 8.60	8.24	+0.36	.	.	.	N.	+ 3 48 2.6	4.1	-1.5	.	.	.
30.3	K.	I	12 20 2.38	1.95	+0.43	.	.	.	N.	- 7 43 22.7	20.7	-2.0	.	.	.
31.4	La.	I	13 13 21.29	20.98	+0.31	.	.	.	N.	-13 21 53.7	51.0	-2.7	.	.	.
June 1.4	S.	I	14 11 13.78	13.61	+0.17	.	.	.	N.	-18 26 52.5	50.6	-1.9	.	.	.
3.5	La.	I	16 22 8.05	7.92	+0.13	.	.	.	S.	-24 57 8.9	9.2	+0.3	.	.	.
5.6	S.	II	18 42 3.23	3.19	+0.04	.	.	.	N.	-23 51 53.0	50.8	-2.2	16 41.0	40.7	+0.3
6.6	L.	II	19 48 1.66	1.67	-0.01	.	.	.	N.	-20 27 56.1	54.1	-2.0	.	.	.
7.7	Br.	II	20 49 1.41	1.41	0.00	.	.	.	N.	-15 43 53.1	52.8	-0.3	.	.	.
8.7	S.	II	21 45 11.07	11.15	-0.08	.	.	.	N.	-10 11 12.4	9.6	-2.8	.	.	.
9.7	L.	II	22 37 31.73	31.78	-0.05	.	.	.	N.	- 4 16 40.7	37.9	-2.8	.	.	.
11.8	Po.	II	0 15 59.67	59.80	-0.13	.	.	.	N.	+ 7 19 28.0	32.4	-4.4	.	.	.

M O O N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	" "	"	"
June 12.8	S.	II	1 4 33.22	33.38	-0.16	..	..	..	N.	+12 32 22.4	26.0	-3.6	..	..	..
13.8	La.	II	1 53 57.36	57.39	-0.03	..	..	..	..	..	..	..	..	..	..
23.1	L.	I	9 38 59.67	59.47	+0.20	..	..	..	N.	+10 47 16.3	18.4	-2.1	..	..	..
24.2	K.	I	10 25 30.37	30.11	+0.26	..	..	..	N.	+ 5 37 0.5	1.2	-0.7	..	..	..
25.2	Po.	I	11 12 5.99	5.72	+0.27	..	..	..	N.	+ 0 6 36.0	37.8	-1.8	..	..	..
27.3	K.	I	12 50 9.07	8.80	+0.27	..	..	..	..	..	..	..	..	..	..
29.3	S.	..	..	..	..	..	..	..	N.	-20 45 31.4	30.4	-1.0	..	..	..
30.4	L.	I	15 47 6.66	6.43	+0.23	..	..	..	N.	-23 58 11.4	8.5	-2.9	..	..	..
July 1.4	K.	I	16 55 30.40	30.22	+0.18	..	..	..	..	-25 28 13.4	12.9	-0.5	16 38.7	39.5	-0.8
2.5	B.	I	18 5 42.47	42.15	+0.32	..	..	..	S.	-24 56 42.9	40.7	-2.2	..	..	..
3.5	S.	II	19 14 28.91	28.91	0.00	..	..	..	..	-22 23 53.7	51.4	-2.3	16 42.1	44.0	-1.9
7.7	L.	II	23 7 32.99	33.00	-0.01	..	..	..	N.	- 0 38 31.7	28.9	-2.8	..	..	..
8.7	K.	II	23 57 56.31	56.19	+0.12	..	..	..	N.	+ 5 19 37.2	38.7	-1.5	..	..	..
9.7	Po.	II	0 47 31.24	31.27	-0.03	..	..	..	N.	+10 50 59.2	61.4	-2.2	..	..	..
10.8	S.	II	1 37 19.18	19.27	-0.09	..	..	..	N.	+15 43 19.9	23.1	-3.2	..	..	..
23.2	L.	I	11 44 24.49	24.33	+0.16	..	..	..	N.	- 3 43 26.8	26.0	-0.8	..	..	..
25.2	K.	I	13 24 17.97	17.80	+0.17	..	..	..	N.	-14 30 12.9	11.4	-1.5	..	..	..
28.3	L.	I	16 23 55.34	55.24	+0.10	..	..	..	N.	-25 0 29.8	28.3	-1.5	..	..	..
29.4	K.	I	17 31 33.76	33.37	+0.39	..	..	..	..	-25 26 56.4	55.8	-0.6	16 28.8	30.9	-2.1
30.4	B.	I	18 39 52.04	51.85	+0.19	..	..	..	S.	-23 55 29.4	27.9	-1.5	..	..	..
Aug. 1.5	L.	..	20 48 49.66	49.65	+0.01	71.78	71.78	0.00	N.	-15 42 31.7	30.8	-0.9	..	..	..
3.6	La.	II	22 42 26.59	26.64	-0.05	..	..	..	N.	- 3 39 54.9	52.9	-2.0	..	..	..
5.6	K.	II	0 26 19.39	19.31	+0.08	..	..	..	N.	+ 8 29 36.6	37.2	-0.6	..	..	..
6.7	Br.	..	..	..	..	..	..	..	N.	+13 47 37.4	38.5	-1.1	..	..	..
7.7	S.	II	2 8 45.04	45.04	0.00	..	..	..	N.	+18 16 42.2	43.5	-1.3	..	..	..
8.7	K.	II	3 1 10.13	10.18	-0.05	..	..	..	N.	+21 46 55.6	54.7	+0.9	..	..	..
21.1	Br.	I	13 8 37.64	37.43	+0.21	..	..	..	..	..	..	..	..	..	..
22.2	K.	I	14 2 10.04	9.81	+0.23	..	..	..	N.	-17 40 2.9	0.4	-2.5	..	..	..
24.2	B.	I	16 0 57.20	57.08	+0.12	..	..	..	N.	-24 16 53.4	51.9	-1.5	..	..	..
26.3	K.	I	18 11 34.21	34.00	+0.21	..	..	..	S.	-24 41 24.6	23.3	-1.3	..	..	..
27.4	B.	I	19 16 49.57	49.44	+0.13	..	..	..	S.	-22 11 31.6	30.1	-1.5	..	..	..
28.4	La.	..	..	..	..	..	..	..	S.	-18 6 53.6	51.4	-2.2	..	..	..
30.5	Br.	I	22 15 16.32	16.31	+0.01	..	..	..	N.	- 6 50 54.3	54.8	+0.5	..	..	..
31.5	La.	II	23 9 10.20	10.13	+0.07	..	..	..	N.	- 0 34 16.1	14.3	-1.8	..	..	..
Sept. 1.6	Br.	II	0 1 38.62	38.60	+0.02	..	..	..	N.	+ 5 35 5.3	6.2	-0.9	..	..	..
2.6	K.	II	0 53 38.75	38.70	+0.05	..	..	..	N.	+11 16 51.6	51.8	-0.2	..	..	..
3.6	B.	II	1 45 56.95	56.76	+0.19	..	..	..	N.	+16 14 40.3	39.8	+0.5	..	..	..
4.7	Br.	..	..	..	..	..	..	..	N.	+20 15 35.3	35.2	+0.1	..	..	..
5.7	K.	II	3 33 1.65	1.47	+0.18	..	..	..	N.	+23 9 58.9	58.7	+0.2	..	..	..
6.7	B.	II	4 27 39.16	38.96	+0.20	..	..	..	N.	+24 51 27.9	28.4	-0.5	..	..	..
7.8	K.	II	5 22 19.50	19.29	+0.21	..	..	..	N.	+25 17 22.2	22.1	+0.1	..	..	..
8.8	L.	II	6 16 19.59	19.44	+0.15	..	..	..	S.	+24 28 45.5	43.3	+2.2	..	..	..
10.9	S.	II	8 0 7.88	7.76	+0.12	..	..	..	..	..	..	..	..	..	..
11.9	L.	II	8 49 36.59	36.35	+0.24	..	..	..	..	..	..	..	..	..	..
19.1	K.	I	14 42 6.03	5.83	+0.20	..	..	..	N.	-20 20 33.2	31.9	-1.3	..	..	..
23.3	K.	I	18 54 40.40	40.13	+0.27	..	..	..	S.	-23 1 56.4	56.0	-0.4	..	..	..
24.3	B.	I	19 56 34.09	33.97	+0.12	..	..	..	S.	-19 36 36.2	35.6	-0.6	..	..	..
25.4	S.	I	20 55 27.41	27.39	+0.02	..	..	..	S.	-14 56 4.2	5.1	+0.9	..	..	..
26.4	L.	I	21 51 24.97	25.02	-0.05	..	..	..	S.	- 9 23 20.4	21.6	+1.2	..	..	..
27.4	K.	I	22 45 6.45	6.31	+0.14	..	..	..	S.	- 3 22 6.8	8.6	+1.8	..	..	..
28.5	S.	I	23 37 26.35	26.36	-0.01	..	..	..	..	+ 2 44 51.0	52.0	-1.0	15 54.7	56.7	-2.0
29.5	L.	..	0 29 21.64	21.71	-0.07	66.12	66.16	-0.04	N.	+ 8 36 48.8	49.9	-1.1	..	..	..
30.5	K.	II	1 21 40.47	40.41	+0.06	..	..	..	N.	+13 55 4.5	5.9	-1.4	..	..	..
Oct. 5.7	S.	II	5 54 19.74	19.66	+0.08	..	..	..	N.	+24 42 2.0	2.3	-0.3	..	..	..
6.7	L.	II	6 47 39.86	39.59	+0.27	..	..	..	S.	+23 11 17.4	14.9	+2.5	..	..	..
10.9	Br.	II	10 4 49.28	49.31	-0.03	..	..	..	..	..	..	..	..	..	..
11.9	S.	II	10 52 15.60	15.52	+0.08	..	..	..	..	..	..	..	..	..	..
19.2	S.	I	17 30 45.64	45.31	+0.33	..	..	..	..	..	..	..	..	..	..
20.2	L.	I	18 35 41.58	41.21	+0.37	..	..	..	S.	-23 30 2.5	2.2	-0.3	..	..	..
22.3	Br.	I	20 37 16.02	16.01	+0.01	..	..	..	S.	-16 15 45.3	42.3	-3.0	..	..	..
23.3	S.	I	21 33 1.37	1.31	+0.06	..	..	..	S.	-11 4 56.9	58.6	+1.7	..	..	..
24.3	L.	I	22 26 8.43	8.40	+0.03	..	..	..	S.	- 5 21 32.4	34.0	+1.6	..	..	..
26.4	S.	I	0 8 32.23	32.34	-0.11	..	..	..	S.	+ 6 23 18.7	16.4	+2.3	..	..	..
27.4	L.	I	0 59 48.64	48.70	-0.06	..	..	..	S.	+11 48 32.5	30.5	+2.0	..	..	..
28.5	K.	I	1 52 8.60	8.47	+0.13	..	..	..	N.	+16 33 29.1	29.6	-0.5	..	..	..
30.5	S.	II	3 40 49.65	49.49	+0.16	..	..	..	N.	+23 6 31.8	32.2	-0.4	..	..	..
31.6	K.	II	4 36 26.69	26.31	+0.38	..	..	..	N.	+24 34 46.8	45.4	+1.4	..	..	..

MOON—Continued:

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° ' "	"	"	" "	"	"
1898.															
Nov. 1.6	La.	II	5 31 47.28	47.48	+0.20				N.	+24 45 42.2	40.9	+1.3			
2.6	S.								S.	+23 42 13.9	12.3	+1.6			
3.7	L.	II	7 18 12.48	12.20	+0.28				S.	+21 31 25.6	22.8	+2.8			
4.7	K.	II	8 8 25.07	24.85	+0.22				S.	+18 22 31.7	29.3	+2.4			
6.8	S.	II	9 43 51.99	51.78	+0.21				S.	+9 49 28.8	28.5	+0.3			
8.8	S.	II	11 17 37.41	37.25	+0.16				S.	+0 41 6.5	7.2	+0.7			
19.2	B.	I	21 16 12.17	12.06	+0.11				S.	+12 30 22.0	21.0	+1.0			
20.3	S.	I	22 10 11.94	11.78	+0.16				S.	+6 54 4.2	6.2	+2.0			
21.3	K.	I	23 1 46.77	46.66	+0.11				S.	+1 3 25.4	28.0	+2.6			
24.4	Br.	I	1 33 26.34	26.14	+0.20				S.	+15 3 27.4	24.1	+3.3			
25.4	K.	I	2 25 52.04	51.86	+0.18				S.	+19 8 24.1	21.5	+2.6			
27.5	S.		4 14 56.02	55.89	+0.13	68.22	68.26	-0.04	N.	+24 7 7.1	6.8	+0.3			
30.6	S.	II	6 58 13.44	13.22	+0.22				S.	+22 20 45.9	42.9	+3.0			
Dec. 1.6	L.	II	7 49 12.00	11.82	+0.18				S.	+19 31 52.3	49.6	+2.7			
6.8	Br.	II	11 43 33.30	33.19	+0.11				S.	+3 50 36.5	36.9	+0.4			
7.8	S.	II	12 32 23.86	23.90	-0.04				S.	+9 12 59.8	60.9	+1.1			
8.8	K.	II	13 24 35.56	35.49	+0.07				S.	+14 20 22.5	22.9	+0.4			
9.9	B.	II	14 21 14.33	14.37	-0.04										
15.1	L.	I	19 52 25.41	25.19	+0.22										
16.1	K.	I	20 53 49.31	49.15	+0.16				S.	+14 27 53.5	51.5	-2.0			
17.2	B.	I	21 50 57.25	57.02	+0.23				S.	+8 50 31.6	33.1	+1.5			
18.2	S.	I	22 44 41.78	41.59	+0.19				S.	+2 52 53.9	55.5	+1.6			
23.4	K.	I	3 2 10.85	10.49	+0.36				S.	+21 23 57.7	55.0	+2.7			
24.4	B.	I	3 56 23.66	23.30	+0.36				S.	+23 39 28.1	25.8	+2.3			
25.4	S.	I	4 51 19.60	19.42	+0.18					+24 42 10.2	8.1	+2.1	14 50.8	53.1	-2.3
26.5	Br.	I	5 46 5.38	5.09	+0.29					+24 29 52.3	48.6	+3.7	14 48.3	48.8	-0.5
29.6	Ei.	II	8 21 5.10	4.88	+0.22										
1899.															
Jan. 6.8	La.	II	14 51 23.60	23.52	+0.08				S.	+20 48 26.3	25.2	-1.1			
7.9	Br.	II	15 53 39.96	40.23	-0.27										
18.2	S.	I	1 52 7.75	7.60	+0.15				S.	+16 41 34.9	32.4	+2.5			
19.3	L.	I	2 45 10.17	9.86	+0.31				S.	+20 24 58.1	55.2	+2.9			
20.3	K.	I	3 39 8.77	8.27	+0.50				S.	+23 2 49.1	46.4	+2.7			
21.4	Br.	I	4 33 45.99	45.60	+0.39				S.	+24 29 6.2	2.9	+3.3			
22.4	S.	I	5 28 23.20	22.78	+0.42				S.	+24 41 11.0	7.3	+3.7			
23.4	La.	I	6 22 11.29	10.92	+0.37				N.	+23 40 30.5	30.1	+0.4			
25.5	L.	I	8 4 47.38	47.13	+0.25				S.	+18 26 45.9	44.6	+1.3			
26.5	Br.	II	8 53 9.49	9.29	+0.20				S.	+14 32 59.2	57.4	+1.8			
Feb. 1.7	S.	II	13 34 44.53	44.63	-0.10				S.	+15 9 13.9	13.1	-0.8			
3.8	K.	II	15 26 40.82	40.71	-0.11				S.	+22 27 41.3	39.7	-1.6			
21.4	Br.	I	7 47 43.19	42.89	+0.30				N.	+19 32 13.4	13.4	0.0			
24.5	K.	I	10 10 23.46	23.17	+0.29				S.	+6 50 16.7	16.6	+0.1			
25.5	Ei.	II	10 56 12.98	12.92	+0.06				S.	+1 43 2.8	3.4	-0.6			
27.6	La.	II	12 29 49.25	49.23	+0.02				S.	+8 42 45.3	44.6	-0.7			
Mar. 5.8	Ei.	II	18 13 53.44	53.56	-0.12										
17.2	K.	I	4 47 49.59	49.09	+0.50				S.	+24 14 59.7	55.9	+3.8			
20.3	La.	I	7 28 50.25	49.86	+0.39										
23.4	Ei.	I	9 53 2.94	2.63	+0.31				N.	+8 35 17.4	17.8	-0.4			
24.4	K.	I	10 39 8.98	8.71	+0.27				N.	+3 35 55.6	56.4	0.8			
29.6	S.	II	14 50 24.89	24.94	-0.05				S.	+20 12 21.4	20.9	-0.5			
Apr. 1.7	B.	II	17 54 3.36	3.59	-0.23				S.	+23 49 38.3	35.0	-3.3			
4.8	S.	II	20 56 39.91	40.22	-0.31				N.	+13 55 42.7	37.8	-4.9			
13.1	Ei.	I	4 22 36.69	36.28	+0.41										
16.2	S.	I	7 7 52.71	52.16	+0.55				N.	+21 17 2.5	4.1	-1.6			
17.3	La.	I	7 58 34.15	33.80	+0.35				N.	+18 21 1.6	3.0	-1.4			
18.3	Ei.	I	8 47 5.70	5.23	+0.47				N.	+14 38 2.1	4.3	-2.2			
19.3	See.	I	9 33 59.79	59.36	+0.43				N.	+10 18 12.2	13.9	-1.7			
20.4	L.	I	10 20 1.69	1.34	+0.35				N.	+5 30 56.9	58.9	-2.0			
21.4	Br.	I	11 6 3.85	3.68	+0.17				N.	+0 25 47.4	47.6	-0.2			
22.4	B.	I	11 53 3.21	3.19	+0.02				N.	+4 46 54.6	52.9	-1.7			
23.4	S.	I	12 41 58.30	58.15	+0.15				N.	+9 54 32.7	31.0	-1.7			
24.5	La.	I	13 33 43.53	43.42	+0.11				S.	+14 41 34.9	35.7	+0.8			
26.5	See.	II	15 28 1.57	1.83	-0.26				S.	+21 56 25.7	26.0	+0.3			
27.6	L.								S.	+23 42 46.7	48.3	+1.6			
28.6	Br.	II	17 34 7.78	8.06	-0.28				S.	+23 53 56.0	57.1	+1.1			
29.7	B.	II	18 37 52.46	52.65	-0.19				N.	+22 25 57.8	55.1	-2.7			
30.7	S.	II	19 39 45.24	45.70	-0.46				N.	+19 26 34.5	30.8	-3.7			

MOON—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1899.															
May 12.1	K.	I	5 51 18.46	18.13	+0.33	..	..	..	N.	+19 28 32.0	32.5	-0.5	..	..	..
14.2	S.	I	7 37 47.29	46.95	+0.34	..	..	..	N.	..	..	..	..	..	..
15.2	La.	I	8 27 16.41	15.97	+0.44	..	..	..	N.	-7 45 10.4	9.6	-0.8	..	..	..
20.4	B.	I	12 19 36.87	36.59	+0.28	..	..	..	N.	-12 39 56.7	54.4	-2.3	..	..	..
21.4	S.	I	13 9 43.05	42.90	+0.15	..	..	..	N.	-20 42 21.8	21.0	-0.8	15 56.4	56.0	+0.4
23.5	Br.	I	15 1 14.79	14.86	-0.07	..	..	..	S.	-23 6 18.8	18.8	0.0	..	..	..
24.5	Sec.	I	16 3 11.00	11.09	-0.09	73.16	73.19	-0.03	S.	-23 57 25.3	24.6	-0.7	..	..	..
25.5	L.	II	17 8 4.03	3.96	+0.07	..	..	..	S.	-23 4 47.0	45.1	-1.9	16 20.6	20.6	0.0
26.6	Ei.	II	18 13 50.43	50.58	-0.15	..	..	..	N.	-20 31 35.4	33.5	-1.9	..	..	..
27.6	La.	II	19 18 16.46	16.64	-0.18	..	..	..	N.	-11 35 8.1	4.0	-4.1	..	..	..
28.7	Br.	II	20 19 48.85	49.11	-0.26	..	..	..	N.	..	..	..	..	..	..
29.7	B.	II	21 17 59.52	59.78	-0.26	..	..	..	N.	..	..	..	..	..	..
June 2.8	B.	II	0 51 15.68	15.75	-0.07	..	..	..	N.	+10 58 11.2	13.8	-2.6	..	..	..

SIX-INCH TRANSIT CIRCLE.

June 14.2	Sec.	I	10 27 49.90	49.37	+0.53	..	..	..	N.	+4 22 45.3	47.9	-2.6	..	..	..
16.3	Ei.	I	11 58 51.96	51.62	+0.34	..	..	..	N.	-5 38 22.3	18.4	-3.9	..	..	..
18.3	S.	I	13 37 47.74	47.45	+0.29	..	..	..	N.	-15 9 43.4	40.0	-3.4	..	..	..
19.4	La.	I	14 32 49.32	49.26	+0.06	..	..	..	N.	-19 8 4.6	5.7	+1.1	..	..	..
20.4	Br.	I	15 32 22.92	22.98	-0.06	..	..	..	N.	-22 7 48.0	49.2	+1.2	..	..	..
21.4	S.	I	16 36 6.64	6.52	+0.12	..	..	..	N.	-23 45 43.0	41.2	-1.8	..	..	..
22.5	L.	I	17 42 29.48	29.18	+0.30	..	..	..	S.	-23 42 49.1	49.2	+0.1	..	..	..
23.5	K.	II	18 49 10.44	10.49	-0.05	..	..	..	N.	-21 52 17.5	16.7	-0.8	..	..	..
24.6	B.	II	19 53 55.17	55.37	-0.20	..	..	..	N.	-18 23 5.0	2.3	-2.7	..	..	..
25.6	S.	II	20 55 24.92	25.21	-0.29	..	..	..	N.	-13 37 4.9	0.7	-4.2	..	..	..
26.6	La.	II	21 53 29.87	30.03	-0.16	..	..	..	N.	-8 1 53.9	52.4	-1.5	..	..	..
27.7	Ei.	II	22 48 48.44	48.62	-0.18	..	..	..	N.	-2 4 47.3	45.1	-2.2	..	..	..
28.7	Sec.	II	23 42 22.40	22.57	-0.17	..	..	..	N.	+3 50 48.9	49.7	-0.8	..	..	..
29.8	Br.	II	0 35 16.78	16.97	-0.19	..	..	..	N.	+9 25 18.7	21.3	-2.6	..	..	..
30.8	K.	II	1 28 28.19	28.23	-0.04	..	..	..	N.	+14 22 28.6	32.1	-3.5	..	..	..
July 2.9	La.	II	3 17 49.90	49.91	-0.01	..	..	..	N.	+21 31 22.8	24.2	-1.4	..	..	..
11.1	Ei.	I	10 11 42.97	42.75	+0.22	..	..	..	..	..	..	..	..	..	..
12.1	Sec.	I	10 56 29.84	29.44	+0.40	..	..	..	..	..	..	..	..	..	..
18.3	Br.	I	16 4 27.24	27.06	+0.18	..	..	..	N.	-23 6 57.9	57.0	-0.9	..	..	..
20.4	L.	I	18 14 54.64	54.55	+0.09	..	..	..	S.	-23 1 45.8	44.5	-1.3	..	..	..
21.5	K.	I	19 21 8.05	8.09	-0.04	..	..	..	S.	-20 21 40.5	40.9	+0.4	..	..	..
22.5	B.	II	20 25 21.55	21.65	-0.10	..	..	..	..	..	..	..	..	..	..
27.7	L.	II	1 10 22.46	22.55	-0.09	..	..	..	N.	+12 40 35.6	38.6	-3.0	..	..	..
28.7	K.	II	2 5 11.53	11.55	-0.02	..	..	..	N.	+17 10 3.8	5.0	-1.2	..	..	..
Aug. 16.3	B.	I	17 43 2.17	1.90	+0.27	..	..	..	N.	-23 33 34.5	32.8	-1.7	..	..	..
17.4	U.	I	18 47 48.35	48.17	+0.18	..	..	..	S.	-21 49 47.5	46.9	-0.6	..	..	..
19.5	B.	I	20 54 39.91	39.77	+0.14	..	..	..	S.	-13 43 7.4	7.1	-0.3	..	..	..
20.5	Br.	I	21 54 57.25	57.36	-0.11	70.31	70.47	-0.16	N.	-7 59 33.0	31.5	-1.5	..	..	..
21.5	U.	II	22 53 14.17	14.32	-0.15	..	..	..	N.	-1 46 22.3	21.9	-0.4	..	..	..
22.6	Br.	II	23 50 10.98	11.01	-0.03	..	..	..	N.	+4 27 12.9	13.4	-0.5	..	..	..
23.6	B.	II	0 46 34.40	34.41	-0.01	..	..	..	N.	+10 15 13.7	15.7	-2.0	..	..	..
24.6	U.	II	1 43 2.94	3.08	-0.14	..	..	..	..	..	..	..	..	..	..
25.7	Br.	II	2 39 56.67	56.68	-0.01	..	..	..	N.	+19 15 2.5	4.2	-1.7	..	..	..
31.9	Br.	II	8 7 38.81	38.75	+0.06	..	..	..	..	..	..	..	..	..	..
Sept. 11.2	U.	I	16 18 5.78	5.61	+0.17	..	..	..	N.	-23 32 5.5	2.7	-2.8	..	..	..
12.2	Ei.	I	17 18 43.68	43.58	+0.10	..	..	..	S.	-22 31 47.5	47.8	+0.3	..	..	..
13.3	B.	I	18 20 54.53	54.29	+0.24	..	..	..	S.	-19 58 55.4	55.2	0.2	..	..	..
14.3	U.	I	19 23 16.14	16.03	+0.11	..	..	..	S.	-16 0 58.7	59.8	+1.1	..	..	..
15.4	L.	I	20 24 40.73	40.52	+0.21	..	..	..	S.	-10 54 21.4	21.7	+0.3	..	..	..
16.4	B.	I	21 24 33.90	33.67	+0.23	..	..	..	S.	5 1 47.5	49.9	+2.4	..	..	..
17.4	S.	I	22 22 58.95	58.75	+0.20	..	..	..	N.	+1 10 7.8	8.0	0.2	..	..	..
18.5	U.	I	23 20 26.21	26.00	+0.21	..	..	..	N.	+17 19 38.5	39.0	-0.5	..	..	..
21.6	U.	II	2 13 21.67	21.71	-0.04	..	..	..	N.	+20 43 10.8	11.2	0.4	..	..	..
22.6	L.	II	3 12 9.57	9.33	+0.24	..	..	..	N.	+22 46 8.6	7.7	+0.9	..	..	..
23.7	B.	II	4 10 57.71	57.44	+0.27	..	..	..	N.	+23 26 41.5	39.5	+2.0	..	..	..
24.7	S.	II	5 8 53.71	53.57	+0.14	..	..	..	S.	+21 3 8.4	5.1	+3.3	..	..	..
26.8	Ei.	II	6 58 53.61	53.53	+0.08	..	..	..	..	..	..	..	..	..	..
27.8	S.	II	7 50 8.45	8.37	+0.08	..	..	..	..	..	..	..	..	..	..
29.9	B.	II	9 25 59.39	59.23	+0.16	..	..	..	..	..	..	..	..	..	..

M O O N—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1899.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Oct. 7.1	B.	I	15 3 26.75	26.73	+0.02	.	.	.	.	.	.	.	.	.	.
10.2	Br.	I	18 1 1.74	1.49	+0.25	.	.	.	.	.	.	.	.	.	.
12.3	L.	I	20 1 49.45	49.27	+0.18	.	.	.	S.	-17 24 34.4	33.8	-0.6	.	.	.
13.3	Ei.	I	21 0 12.68	12.54	+0.14	.	.	.	S.	-12 53 60.3	59.3	-1.0	.	.	.
14.3	B.	I	21 57 11.09	10.86	+0.23	.	.	.	S.	-7 32 5.3	6.5	+1.2	.	.	.
18.5	U.	II	1 43 45.14	45.11	+0.03	.	.	.	N.	+19 3 23.4	22.5	+0.9	.	.	.
19.5	L.	II	2 42 51.99	51.75	+0.24	.	.	.	N.	+21 46 38.5	35.5	+3.0	.	.	.
20.6	Ei.	II	3 42 46.01	45.76	+0.25	.	.	.	N.	+23 5 23.9	22.2	+1.7	.	.	.
21.6	B.	II	4 42 27.81	27.50	+0.31	.	.	.	N.	+23 0 37.8	39.3	-1.5	.	.	.
22.6	S.	II	5 40 45.62	45.48	+0.14	.	.	.	S.	+16 1 40.5	36.3	+4.2	.	.	.
25.8	U.	II	8 19 56.18	56.16	+0.02	.	.	.	.	.	.	.	.	.	.
26.8	L.	II	9 7 45.86	45.64	+0.22	.	.	.	.	.	.	.	.	.	.
27.8	B.	II	9 53 54.33	54.20	+0.13	.	.	.	.	.	.	.	.	.	.
Nov. 7.2	Br.	I	18 43 46.70	46.49	+0.21	.	.	.	.	.	.	.	.	.	.
8.2	U.	I	19 43 55.25	55.03	+0.22	.	.	.	S.	-18 20 55.1	53.7	-1.4	.	.	.
9.2	L.	I	20 42 4.06	3.91	+0.15	.	.	.	S.	-14 12 43.2	43.2	0.0	.	.	.
10.3	B.	I	21 38 14.42	14.23	+0.19	.	.	.	S.	-9 12 19.0	19.9	+0.9	.	.	.
12.3	S.	I	23 27 12.77	12.66	+0.11	.	.	.	S.	+2 7 25.2	23.2	+2.0	.	.	.
13.4	L.	I	0 21 49.28	49.17	+0.11	.	.	.	S.	+7 46 32.3	31.3	+1.0	.	.	.
14.4	Br.	I	1 17 37.94	37.84	+0.10	.	.	.	S.	+12 57 44.5	41.2	+3.3	.	.	.
18.6	U.	II	5 13 34.42	34.26	+0.16	.	.	.	N.	+23 6 46.5	46.2	+0.3	.	.	.
19.6	S.	II	6 11 22.50	22.27	+0.23	.	.	.	S.	+22 18 13.1	13.2	-0.1	.	.	.
20.6	La.	II	7 6 29.87	29.69	+0.18	.	.	.	S.	+20 18 41.8	40.5	+1.3	.	.	.
21.7	Br.	II	7 58 34.33	34.19	+0.14	.	.	.	S.	+17 21 39.3	38.0	+1.3	.	.	.
23.7	L.	II	9 34 44.54	44.33	+0.21	.	.	.	S.	+9 28 35.8	34.0	+1.8	.	.	.
24.8	B.	II	10 20 14.56	14.32	+0.24	.	.	.	S.	+4 55 14.2	10.8	+3.4	.	.	.
25.8	U.	II	11 5 13.22	13.11	+0.11	.	.	.	S.	+0 9 44.7	43.2	+1.5	.	.	.
26.8	S.	II	11 50 39.72	39.72	0.00	.	.	.	.	.	.	.	.	.	.
Dec. 5.1	Br.	I	19 23 33.44	33.39	+0.05	.	.	.	.	.	.	.	.	.	.
6.1	B.	I	20 23 43.36	43.21	+0.15	.	.	.	.	.	.	.	.	.	.
8.2	B.	I	22 16 41.11	40.95	+0.16	.	.	.	S.	-5 15 37.3	40.6	+3.3	.	.	.
9.2	U.	I	23 10 39.18	39.00	+0.18	.	.	.	S.	+0 26 36.2	33.4	+2.8	.	.	.
12.4	Br.	I	1 53 47.54	47.48	+0.06	.	.	.	S.	+15 53 32.6	31.1	+1.5	.	.	.
13.4	U.	I	2 50 52.17	51.93	+0.24	.	.	.	S.	+19 30 44.6	40.9	+3.7	.	.	.
15.5	La.	I	4 48 17.25	16.82	+0.43	.	.	.	S.	+23 3 20.1	20.0	+0.1	.	.	.
16.5	U.	II	5 46 31.88	31.64	+0.24	.	.	.	S.	+22 48 22.5	21.6	+0.9	.	.	.
17.5	S.	II	6 42 51.65	51.55	+0.10	.	.	.	S.	+21 17 50.9	47.8	+3.1	.	.	.
18.6	La.	II	7 36 30.17	29.92	+0.25	.	.	.	S.	+18 42 63.0	58.8	+4.2	.	.	.
19.6	Br.	II	8 27 14.47	14.35	+0.12	.	.	.	S.	+15 17 46.0	44.6	+1.4	.	.	.
20.6	U.	.	.	.	.	.	.	.	S.	+11 15 48.7	46.1	+2.6	.	.	.
21.7	L.	II	10 1 32.25	32.11	+0.14	.	.	.	S.	+6 49 12.5	10.6	+1.9	.	.	.
22.7	B.	II	10 46 33.26	33.11	+0.15	.	.	.	S.	+2 8 16.9	17.0	-0.1	.	.	.
25.8	La.	II	13 4 17.89	17.82	+0.07	.	.	.	S.	-11 50 21.0	17.9	-3.1	.	.	.
26.8	Br.	II	13 54 25.16	25.22	-0.06	.	.	.	S.	-15 55 18.1	19.7	+1.6	.	.	.
28.9	B.	II	15 45 44.21	44.29	-0.08	.	.	.	.	.	.	.	.	.	.

MERCURY.

1894.															
Nov. 10.0	L.	.	15 4 10.22	9.88	+0.34	0.35	0.34	+0.01	C.	-17 17 40.3	37.5	-2.8	.	.	.
23.9	S.	C.	14 44 29.67	29.40	+0.27	.	.	.	C.	13 18 33.7	32.8	-0.9	.	.	.
25.9	L.	C.	14 50 51.23	51.18	+0.05	.	.	.	C.	13 51 18.1	16.7	-1.4	.	.	.
Dec. 2.9	S.	C.	15 22 25.57	25.33	+0.24	.	.	.	C.	16 37 27.2	27.1	-0.1	.	.	.
4.9	K.	C.	15 33 9.52	9.54	-0.02	.	.	.	C.	17 30 23.8	22.3	-1.5	.	.	.
6.9	P.	C.	15 44 23.62	23.45	+0.17	.	.	.	C.	18 22 55.1	55.4	+0.3	.	.	.
14.0	P.	C.	16 26 31.46	31.11	+0.35	.	.	.	C.	21 11 30.2	29.1	-1.1	.	.	.
15.0	L.	.	16 32 49.01	48.82	+0.19	0.16	0.18	-0.02	C.	21 32 36.2	36.1	-0.1	.	.	.
17.0	S.	C.	16 45 34.82	34.35	+0.47	.	.	.	C.	22 12 3.8	2.7	-1.1	.	.	.
20.0	P.	C.	17 5 6.06	5.61	+0.45	.	.	.	C.	23 3 38.6	39.0	+0.4	.	.	.
21.0	L.	C.	17 11 41.90	41.62	+0.28	.	.	.	C.	23 18 42.4	41.5	-0.9	.	.	.
22.0	P.	C.	17 18 20.61	20.24	+0.37	.	.	.	C.	23 32 36.6	36.0	-0.6	.	.	.
1895.															
Mar. 9.0	L.	C.	21 57 44.50	44.33	+0.17	.	.	.	C.	10 42 21.7	22.3	+0.6	.	.	.
18.9	P.	C.	22 15 5.09	4.91	+0.18	.	.	.	C.	11 25 31.8	32.9	+1.1	.	.	.
Apr. 2.9	P.	C.	23 19 31.13	30.99	+0.14	.	.	.	C.	6 53 44.6	46.2	+1.6	.	.	.
4.9	P.	C.	23 30 0.61	0.64	-0.03	.	.	.	C.	-5 53 9.3	9.6	+0.3	.	.	.

MERCURY—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1895.			h m s	s	s	s	s	s		° ' "	"	"	" "	"	"
Apr. 9.9	K.	C.	23 57 42.63	42.39	+0.24	.	.	.	C.	- 3 0 14.5	15.1	+0.6	.	.	.
10.9	P.	C.	0 3 29.64	29.50	+0.14	.	.	.	C.	- 2 22 11.0	12.2	+1.2	.	.	.
18.0	L.	C.	0 46 24.43	24.39	+0.04	.	.	.	C.	+ 2 33 17.7	17.7	0.0	.	.	.
19.0	P.	C.	0 52 54.79	54.67	+0.12	.	.	.	C.	3 19 17.6	17.8	-0.2	.	.	.
20.0	L.	C.	0 59 31.30	31.12	+0.18	.	.	.	C.	4 6 6.2	7.7	-1.5	.	.	.
23.0	P.	C.	1 19 59.77	59.73	+0.04	.	.	.	C.	6 31 6.3	6.5	-0.2	.	.	.
24.0	K.	C.	1 27 3.11	3.10	+0.01	.	.	.	C.	7 20 39.3	43.5	-4.2	.	.	.
25.0	L.	.	.	.	.	.	.	.	C.	8 10 53.4	51.9	+1.5	.	.	.
May 9.0	P.	C.	3 27 31.42	31.53	-0.11	.	.	.	C.	19 36 26.5	28.2	-1.7	.	.	.
22.1	K.	C.	5 16 3.29	3.44	-0.15	.	.	.	C.	25 17 5.1	5.4	-0.3	.	.	.
23.1	P.	C.	5 23 24.20	24.43	-0.23	.	.	.	C.	25 25 48.4	49.1	-0.7	.	.	.
28.1	P.	C.	5 56 51.34	51.46	-0.12	.	.	.	C.	25 37 55.2	55.7	-0.5	.	.	.
June 8.1	P.	I	6 47 51.55	51.77	-0.22	.	.	.	C.	23 52 7.5	7.0	+0.5	.	.	.
July 17.9	P.	II	6 28 41.45	41.70	-0.25	.	.	.	C.	20 1 46.1	45.8	+0.3	.	.	.
19.9	P.	II	6 34 9.48	9.76	-0.28	.	.	.	C.	20 24 53.4	54.3	-0.9	.	.	.
Aug. 7.0	P.	C.	8 26 40.60	40.79	-0.19	.	.	.	C.	20 18 59.1	59.8	-0.7	.	.	.
8.0	P.	C.	8 35 3.78	3.99	-0.21	.	.	.	C.	.	.	.	.	.	.
9.0	P.	C.	8 43 29.23	29.35	-0.12	.	.	.	C.	19 33 11.0	11.9	-0.9	.	.	.
10.0	P.	C.	8 51 55.00	55.17	-0.17	.	.	.	C.	19 6 33.5	33.7	-0.2	.	.	.
13.0	P.	C.	9 17 0.08	0.25	-0.17	.	.	.	C.	17 33 14.9	14.8	+0.1	.	.	.
19.0	P.	C.	10 4 42.69	42.77	-0.08	.	.	.	C.	13 40 33.9	33.7	+0.2	.	.	.
24.0	P.	C.	10 41 2.58	2.63	-0.05	.	.	.	C.	+ 9 59 13.6	14.7	-1.1	.	.	.
Sept. 17.1	P.	C.	13 0 43.21	43.10	+0.11	.	.	.	C.	- 7 44 21.2	20.1	-1.1	.	.	.
21.1	P.	C.	13 20 2.77	2.73	+0.04	.	.	.	C.	10 15 24.3	24.5	+0.2	.	.	.
23.1	P.	C.	13 29 17.96	17.86	+0.10	.	.	.	C.	11 26 7.5	11.4	+3.9	.	.	.
26.1	P.	C.	13 42 34.63	34.52	+0.11	.	.	.	C.	13 5 29.1	29.4	+0.3	.	.	.
Oct. 1.1	P.	C.	14 2 38.59	38.57	+0.02	.	.	.	C.	15 29 7.2	5.8	-1.4	.	.	.
2.1	P.	C.	14 6 15.36	15.37	-0.01	.	.	.	C.	15 53 55.2	55.7	+0.5	.	.	.
3.1	P.	C.	14 9 42.29	42.27	+0.02	.	.	.	C.	16 17 16.6	16.1	-0.5	.	.	.
4.1	P.	C.	14 12 58.17	58.24	-0.07	.	.	.	C.	16 39 0.0	0.3	+0.3	.	.	.
5.1	P.	C.	14 16 2.21	2.13	+0.08	.	.	.	C.	16 59 2.7	1.4	-1.3	.	.	.
10.0	L.	C.	14 27 31.81	31.73	+0.08	.	.	.	C.	18 8 26.4	25.4	-1.0	.	.	.
14.0	L.	C.	14 30 25.28	25.25	+0.03	.	.	.	C.	18 15 49.2	46.4	-2.8	.	.	.
18.0	L.	C.	14 25 41.18	41.02	+0.16	.	.	.	C.	17 23 54.6	53.5	-1.1	.	.	.
19.0	L.	C.	14 23 11.40	11.38	+0.02	.	.	.	C.	17 0 3.3	2.9	-0.4	.	.	.
Nov. 3.9	L.	C.	13 36 46.45	46.32	+0.13	.	.	.	C.	8 5 22.3	20.7	-1.6	.	.	.
11.9	P.	C.	13 59 8.85	8.84	+0.01	.	.	.	C.	9 44 6.2	5.3	-0.9	.	.	.
15.9	P.	C.	14 18 20.93	20.95	-0.02	.	.	.	C.	11 38 31.6	30.5	-1.1	.	.	.
17.9	P.	C.	14 29 0.31	0.22	+0.09	.	.	.	C.	12 41 55.6	54.7	-0.9	.	.	.
18.9	P.	C.	14 34 31.38	31.32	+0.06	.	.	.	C.	13 14 18.4	19.0	+0.6	.	.	.
20.9	P.	C.	14 45 52.27	52.14	+0.13	.	.	.	C.	14 19 38.8	37.3	-1.5	.	.	.
21.9	P.	C.	14 51 40.64	40.51	+0.13	.	.	.	C.	14 52 15.0	13.9	-1.1	.	.	.
27.0	P.	C.	15 21 43.75	43.60	+0.15	.	.	.	C.	17 30 18.4	17.4	-1.0	.	.	.
29.0	P.	C.	15 34 8.06	7.92	+0.14	.	.	.	C.	18 29 38.2	37.5	-0.7	.	.	.
Dec. 6.0	P.	C.	16 18 55.56	55.27	+0.29	.	.	.	C.	21 31 30.5	30.4	-0.1	.	.	.
11.0	P.	C.	16 52 4.78	4.52	+0.26	.	.	.	C.	23 11 32.4	32.5	+0.1	.	.	.
1896.															
Jan. 2.0	P.	C.	19 26 13.69	13.51	+0.18	.	.	.	C.	24 7 36.8	37.0	+0.2	.	.	.
8.0	P.	C.	20 8 32.60	32.35	+0.25	.	.	.	C.	22 16 59.8	59.2	-0.6	.	.	.
14.1	S.	C.	20 48 44.19	44.14	+0.05	.	.	.	C.	19 32 7.3	8.1	+0.8	.	.	.
15.1	P.	C.	20 55 2.39	2.19	+0.20	.	.	.	C.	19 0 8.3	7.6	-0.7	.	.	.
25.1	P.	C.	21 43 47.80	47.67	+0.13	.	.	.	C.	-13 17 29.6	30.2	+0.6	.	.	.
June 29.9	P.	II	5 11 46.94	47.04	-0.10	.	.	.	C.	+19 19 46.6	45.4	+1.2	.	.	.
30.9	S.	C.	5 14 39.98	40.12	-0.14	.	.	.	C.	19 32 59.7	58.4	+1.3	.	.	.
July 12.9	L.	C.	6 14 57.08	57.15	-0.07	.	.	.	C.	22 24 52.8	53.0	-0.2	.	.	.
15.0	K.	C.	6 29 22.94	23.05	-0.11	.	.	.	C.	22 43 28.9	28.1	+0.8	.	.	.
17.0	L.	II	6 44 53.22	53.35	-0.13	.	.	.	C.	22 54 58.7	60.0	-1.3	.	.	.
23.0	P.	C.	7 36 10.01	10.14	-0.13	.	.	.	C.	22 33 58.8	57.9	+0.9	.	.	.
25.0	P.	C.	7 54 6.23	6.43	-0.20	.	.	.	C.	22 5 51.4	51.3	+0.1	.	.	.
Aug. 5.0	P.	C.	9 28 23.49	23.51	-0.02	.	.	.	C.	16 46 34.6	34.3	+0.3	.	.	.
6.0	L.	C.	9 36 10.56	10.62	-0.06	.	.	.	C.	+16 7 34.8	36.3	-1.5	.	.	.

MERCURY—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1896.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Aug. 7.0	K.	C.	9 43 48.46	48.45	+0.01	.	.	.	C.	+15 27 37.9	36.9	+1.0	.	.	.
8.0	P.	C.	9 51 16.88	17.03	-0.15	.	.	.	C.	14 46 43.8	43.8	0.0	.	.	.
10.0	L.	C.	10 5 46.88	46.90	-0.02	.	.	.	C.	13 22 43.1	43.5	-0.4	.	.	.
12.0	P.	C.	10 19 41.72	41.69	+0.03	.	.	.	C.	11 56 26.7	26.9	-0.2	.	.	.
17.0	L.	I	10 52 7.17	7.26	-0.09	.	.	.	C.	8 15 20.8	22.1	-1.3	.	.	.
19.0	P.	C.	11 4 14.23	14.16	+0.07	.	.	.	C.	6 46 14.6	15.1	-0.5	.	.	.
20.0	L.	I	11 10 7.49	7.55	-0.06	.	.	.	C.	6 1 45.6	46.8	-1.2	.	.	.
21.1	K.	I	11 15 54.52	54.50	+0.02	.	.	.	C.	5 17 25.2	26.0	-0.8	.	.	.
25.1	K.	I	11 38 1.89	1.83	+0.06	.	.	.	C.	2 22 9.9	11.9	-2.0	.	.	.
28.1	K.	I	11 53 37.73	37.68	+0.05	.	.	.	C.	+ 0 14 9.3	10.3	-1.0	.	.	.
29.1	P.	C.	11 58 38.94	38.78	+0.16	.	.	.	C.	- 0 27 40.8	38.9	-1.9	.	.	.
31.1	L.	I	12 8 24.95	24.94	+0.01	.	.	.	C.	1 49 48.1	46.9	-1.2	.	.	.
Sept. 3.1	L.	I	12 22 23.81	23.74	+0.07	.	.	.	C.	3 48 39.6	37.7	-1.9	.	.	.
10.1	L.	I	12 51 33.80	33.78	+0.02	.	.	.	C.	7 59 25.2	22.0	-3.2	.	.	.
11.1	P.	I	12 55 16.53	16.22	+0.31	.	.	.	C.	8 31 23.2	21.6	-1.6	.	.	.
19.1	S.	C.	13 19 4.31	4.31	0.00	.	.	.	C.	11 57 39.1	39.3	+0.2	.	.	.
24.0	S.	C.	13 26 17.35	17.30	+0.05	.	.	.	C.	13 2 15.6	16.7	+1.1	.	.	.
25.0	S.	C.	13 26 44.20	44.23	-0.03	.	.	.	C.	13 6 45.9	45.1	-0.8	.	.	.
Oct. 15.0	S.	C.	12 37 19.57	19.33	+0.24	.	.	.	C.	3 34 10.2	7.1	-3.1	.	.	.
16.0	K.	II	12 36 38.99	38.78	+0.21	.	.	.	C.	3 11 24.6	22.0	-2.6	.	.	.
19.9	K.	II	12 40 15.79	15.73	+0.06	.	.	.	C.	2 37 33.0	31.4	-1.6	.	.	.
21.9	S.	C.	12 45 28.75	28.75	0.00	.	.	.	C.	2 52 48.4	45.7	-2.7	.	.	.
23.9	P.	C.	12 52 30.72	30.58	+0.14	.	.	.	C.	3 25 43.7	41.3	-2.4	.	.	.
25.9	S.	C.	13 0 58.60	58.60	0.00	.	.	.	C.	4 12 49.1	48.4	-0.7	.	.	.
30.9	P.	C.	13 26 20.93	20.79	+0.14	.	.	.	C.	6 51 22.4	23.0	+0.6	.	.	.
Nov. 1.9	B.	C.	13 37 33.40	33.24	+0.16	.	.	.	C.	8 4 10.2	10.1	-0.1	.	.	.
3.0	K.	C.	13 43 18.16	18.13	+0.03	.	.	.	C.	8 41 33.1	32.5	-0.6	.	.	.
6.0	La.	C.	14 0 58.21	58.12	+0.09	.	.	.	C.	10 35 21.0	22.5	+1.5	.	.	.
7.0	P.	C.	14 6 58.21	58.04	+0.17	.	.	.	C.	11 13 23.8	23.5	-0.3	.	.	.
9.0	La.	C.	14 19 5.68	5.42	+0.26	.	.	.	C.	12 28 50.8	50.2	-0.6	.	.	.
14.0	B.	C.	14 49 58.33	58.09	+0.24	.	.	.	C.	15 30 2.8	2.5	-0.3	.	.	.
17.0	K.	C.	15 8 49.55	49.27	+0.28	.	.	.	C.	17 11 11.7	11.8	+0.1	.	.	.
18.0	P.	C.	15 15 9.79	9.43	+0.36	.	.	.	C.	17 43 23.4	22.6	-0.8	.	.	.
Dec. 9.0	La.	C.	17 34 45.32	44.77	+0.55	.	.	.	C.	25 3 58.2	57.8	-0.4	.	.	.
14.0	La.	C.	18 9 37.31	36.95	+0.36	.	.	.	C.	25 28 5.8	5.0	-0.8	.	.	.
23.0	K.	C.	19 12 13.76	13.56	+0.20	.	.	.	C.	24 37 43.3	42.4	-0.9	.	.	.
24.0	B.	C.	19 19 1.17	0.99	+0.18	.	.	.	C.	24 24 27.0	25.2	-1.8	.	.	.
28.1	B.	C.	19 45 21.65	21.48	+0.17	.	.	.	C.	23 16 23.3	22.1	-1.2	.	.	.
29.1	K.	C.	19 51 39.59	39.47	+0.12	.	.	.	C.	22 55 51.8	49.7	-2.1	.	.	.
30.1	B.	.	.	.	.	.	.	.	C.	22 34 1.6	0.3	-1.3	.	.	.
31.1	S.	C.	20 3 46.36	46.22	+0.14	.	.	.	C.	22 10 60.4	59.3	-1.1	.	.	.
1897.															
Jan. 6.1	La.	C.	20 34 2.30	2.12	+0.18	.	.	.	C.	19 35 49.9	47.5	-2.4	.	.	.
7.1	B.	C.	20 37 46.84	46.73	+0.11	.	.	.	C.	19 8 59.6	59.8	+0.2	.	.	.
8.1	S.	C.	20 41 1.52	1.30	+0.22	.	.	.	C.	18 42 39.9	40.1	+0.2	.	.	.
9.1	La.	C.	20 43 42.64	42.57	+0.07	.	.	.	C.	18 17 9.6	9.2	-0.4	.	.	.
11.1	La.	C.	20 47 12.45	12.26	+0.19	.	.	.	C.	17 30 5.2	2.5	-2.7	.	.	.
Feb. 3.9	B.	II	19 41 40.27	39.90	+0.37	.	.	.	C.	18 57 7.5	8.5	+1.0	.	.	.
12.9	P.	C.	20 4 6.09	5.73	+0.36	.	.	.	C.	19 41 34.8	34.5	-0.3	.	.	.
18.9	K.	C.	20 30 26.31	26.10	+0.21	.	.	.	C.	19 17 33.9	34.3	+0.4	.	.	.
22.9	S.	C.	20 50 48.65	48.22	+0.43	.	.	.	C.	18 35 54.5	54.9	+0.4	.	.	.
23.9	La.	C.	20 56 9.20	8.90	+0.30	.	.	.	C.	18 22 16.1	15.0	-1.1	.	.	.
26.9	La.	C.	21 12 40.41	40.05	+0.36	.	.	.	C.	17 33 27.8	25.7	-2.1	.	.	.
Mar. 10.0	La.	C.	22 17 44.46	44.13	+0.33	.	.	.	C.	12 54 47.7	44.9	-2.8	.	.	.
13.0	La.	C.	22 36 25.39	25.19	+0.20	.	.	.	C.	11 11 59.0	60.1	+1.1	.	.	.
15.0	B.	C.	22 49 5.10	4.97	+0.13	.	.	.	C.	9 57 15.8	16.5	+0.7	.	.	.
16.0	K.	C.	22 55 28.90	28.71	+0.19	.	.	.	C.	9 18 4.6	4.0	-0.6	.	.	.
22.0	B.	C.	23 34 50.29	50.05	+0.24	.	.	.	C.	4 57 39.4	40.0	+0.6	.	.	.
25.0	La.	C.	23 55 13.69	13.63	+0.06	.	.	.	C.	2 32 5.4	5.1	-0.3	.	.	.
27.0	La.	C.	0 9 7.39	7.43	-0.04	.	.	.	C.	- 0 49 51.6	51.6	0.0	.	.	.
Apr. 13.0	K.	I	2 15 19.76	19.83	-0.07	.	.	.	C.	+14 39 18.9	21.1	-2.2	.	.	.
15.0	B.	C.	2 29 55.96	56.10	-0.14	.	.	.	C.	16 14 7.1	8.1	-1.0	.	.	.
16.0	K.	C.	2 37 2.74	2.86	-0.12	.	.	.	C.	16 58 26.1	26.8	-0.7	.	.	.
19.0	Br.	C.	2 57 23.22	23.21	+0.01	.	.	.	C.	18 57 27.2	30.7	-3.5	.	.	.
20.0	B.	C.	3 3 46.05	46.29	-0.24	.	.	.	C.	+19 32 15.3	16.9	-1.6	.	.	.

MERCURY—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Apr. 21.0	S.	C.	3 9 55.67	55.80	-0.13	.	.	.	C.	+20 4 28.2	30.0	-1.8	.	.	.
22.0	B.	C.	3 15 50.63	50.83	-0.20	.	.	.	C.	20 34 8.8	8.6	+0.2	.	.	.
23.1	K.	I	3 21 30.32	30.50	-0.18	.	.	.	C.	21 1 12.8	12.0	+0.8	.	.	.
24.1	La.	C.	3 26 53.95	54.07	-0.12	.	.	.	C.	21 25 40.4	40.6	-0.2	.	.	.
27.1	La.	C.	3 41 20.62	20.86	-0.24	.	.	.	C.	22 23 48.5	48.6	-0.1	.	.	.
28.1	S.	C.	3 45 32.79	33.04	-0.25	.	.	.	C.	22 38 12.0	11.2	+0.8	.	.	.
29.1	B.	C.	3 49 25.65	25.89	-0.24	.	.	.	C.	22 50 7.1	7.5	-0.4	.	.	.
June 13.9	K.	II	3 58 45.49	45.66	-0.17	.	.	.	N.	16 48 46.0	44.8	+1.2	.	.	.
14.9	Br.	C.	4 2 16.60	16.76	-0.16	.	.	.	C.	17 5 49.5	49.4	+0.1	.	.	.
20.9	Br.	C.	4 28 59.40	59.47	-0.07	.	.	.	C.	19 7 16.2	16.8	-0.6	.	.	.
22.9	S.	C.	4 40 1.94	1.98	-0.04	.	.	.	C.	19 51 50.4	50.7	-0.3	.	.	.
24.9	K.	II	4 52 9.08	9.16	-0.08	.	.	.	C.	20 36 31.0	31.0	0.0	.	.	.
July 3.0	La.	C.	5 51 14.67	14.86	-0.19	.	.	.	C.	23 8 11.4	12.3	-0.9	.	.	.
6.0	L.	C.	6 17 17.93	18.07	-0.14	.	.	.	C.	23 40 0.3	0.4	-0.1	.	.	.
7.0	S.	C.	6 26 19.81	20.09	-0.28	.	.	.	C.	23 46 3.1	2.8	+0.3	.	.	.
9.0	K.	C.	6 44 46.20	46.47	-0.27	.	.	.	C.	23 50 26.5	25.3	+1.2	.	.	.
22.0	L.	C.	8 42 34.60	34.72	-0.12	.	.	.	C.	20 4 60.3	59.3	+1.0	.	.	.
23.0	K.	C.	8 50 44.97	45.08	-0.11	.	.	.	C.	19 32 54.1	52.6	+1.5	.	.	.
24.0	La.	C.	8 58 44.92	45.03	-0.11	.	.	.	C.	18 59 23.0	21.1	+1.9	.	.	.
29.0	B.	C.	9 36 9.27	9.38	-0.11	.	.	.	C.	15 55 6.9	6.4	+0.5	.	.	.
30.0	K.	I	9 43 7.98	8.06	-0.08	.	.	.	C.	15 15 46.0	45.6	+0.4	.	.	.
31.0	La.	C.	9 49 57.06	57.14	-0.08	.	.	.	C.	14 35 48.7	49.4	-0.7	.	.	.
Aug. 3.1	L.	I	10 9 28.93	29.01	-0.08	.	.	.	C.	12 33 21.1	21.0	+0.1	.	.	.
9.1	Br.	I	10 50 8.55	8.62	-0.07	.	.	.	C.	8 23 11.1	10.9	+0.2	.	.	.
10.1	L.	I	10 50 8.55	8.62	-0.07	.	.	.	C.	7 41 33.2	33.7	-0.5	.	.	.
11.1	La.	C.	10 55 26.14	26.12	+0.02	.	.	.	C.	7 0 6.2	6.8	-0.6	.	.	.
12.1	B.	C.	11 0 36.32	36.27	+0.05	.	.	.	C.	6 18 53.4	53.4	0.0	.	.	.
13.1	K.	I	11 5 39.16	39.15	+0.01	.	.	.	C.	5 37 55.7	56.6	-0.9	.	.	.
14.1	La.	C.	11 10 34.86	34.80	+0.06	.	.	.	C.	4 57 19.9	19.5	+0.4	.	.	.
18.1	La.	C.	11 29 5.11	5.11	0.00	.	.	.	C.	2 19 9.7	9.1	+0.6	.	.	.
20.1	K.	I	11 37 36.23	36.09	+0.14	.	.	.	C.	+ 1 3 22.2	23.2	-1.0	.	.	.
25.1	La.	C.	11 56 34.13	34.02	+0.11	.	.	.	C.	- 1 52 33.8	32.8	-1.0	.	.	.
26.1	B.	C.	11 59 55.28	55.31	-0.03	.	.	.	C.	2 24 53.7	52.2	-1.5	.	.	.
27.1	La.	C.	12 3 6.90	6.89	+0.01	.	.	.	C.	.	.	.	.	.	.
28.1	B.	C.	12 6 8.24	8.23	+0.01	.	.	.	C.	3 25 61.5	59.8	-1.7	.	.	.
31.1	L.	I	12 14 4.64	4.72	-0.08	.	.	.	C.	4 47 21.8	21.6	-0.2	.	.	.
Sept. 3.1	S.	C.	12 20 4.26	4.26	0.00	.	.	.	C.	5 53 24.7	23.1	-1.6	.	.	.
4.1	La.	C.	12 21 34.00	34.09	-0.09	.	.	.	C.	6 11 18.8	18.0	-0.8	.	.	.
8.1	S.	C.	12 24 36.81	36.93	-0.12	.	.	.	C.	6 57 39.5	38.6	-0.9	.	.	.
9.0	B.	.	.	.	.	.	.	.	C.	7 1 54.3	52.6	-1.7	.	.	.
10.0	L.	C.	12 24 8.48	8.53	-0.05	.	.	.	C.	- 7 2 45.5	44.3	-1.2	.	.	.
27.0	L.	II	11 39 34.21	34.04	+0.17	.	.	.	C.	+ 0 58 43.3	45.0	-1.7	.	.	.
28.0	B.	C.	11 38 1.32	1.16	+0.16	.	.	.	C.	1 30 34.9	36.9	-2.0	.	.	.
29.0	S.	C.	11 37 2.28	2.11	+0.17	.	.	.	C.	1 58 17.7	18.0	-0.3	.	.	.
30.0	L.	II	11 36 38.91	38.66	+0.25	.	.	.	C.	2 21 18.6	19.7	-1.1	.	.	.
Oct. 3.9	K.	II	11 41 7.19	7.04	+0.15	.	.	.	C.	3 2 9.4	11.4	-2.0	.	.	.
4.9	L.	C.	11 43 39.76	39.70	+0.06	.	.	.	C.	2 59 27.6	29.1	-1.5	.	.	.
7.9	K.	II	11 54 9.40	9.33	+0.07	.	.	.	C.	2 23 14.7	16.0	-1.3	.	.	.
8.9	La.	II	11 58 27.50	27.47	+0.03	.	.	.	C.	2 2 51.5	52.7	-1.2	.	.	.
13.0	S.	C.	12 18 31.33	31.30	+0.03	.	.	.	C.	+ 0 9 21.1	23.3	-2.2	.	.	.
14.0	L.	II	12 24 3.56	3.48	+0.08	.	.	.	C.	- 0 25 11.7	10.5	-1.2	.	.	.
15.0	K.	C.	12 29 44.55	44.28	+0.27	.	.	.	C.	1 1 33.9	33.2	-0.7	.	.	.
16.0	B.	C.	12 35 32.19	32.15	+0.04	.	.	.	C.	1 39 26.9	27.1	+0.2	.	.	.
Nov. 17.0	S.	C.	15 55 6.34	6.00	+0.34	.	.	.	C.	21 21 47.7	46.8	-0.9	.	.	.
18.0	L.	C.	16 1 36.14	35.67	+0.47	.	.	.	C.	21 46 33.0	31.6	-1.4	.	.	.
19.0	K.	C.	16 8 7.13	6.78	+0.35	.	.	.	C.	.	.	.	.	.	.
20.0	Br.	C.	16 14 39.75	39.34	+0.41	.	.	.	C.	22 32 46.2	45.5	-0.7	.	.	.
24.0	S.	C.	16 41 3.89	3.45	+0.44	.	.	.	C.	23 51 29.8	30.1	+0.3	.	.	.
27.0	Po.	C.	17 1 4.85	4.34	+0.51	.	.	.	C.	24 37 49.2	47.9	-1.3	.	.	.
30.0	La.	C.	17 21 12.89	12.62	+0.27	.	.	.	C.	25 12 26.0	26.5	+0.5	.	.	.
Dec. 6.0	L.	C.	18 1 26.26	25.96	+0.30	.	.	.	C.	25 44 21.9	22.2	+0.3	.	.	.
7.0	Br.	C.	18 8 3.91	3.53	+0.38	.	.	.	C.	25 44 37.4	38.2	+0.8	.	.	.
9.0	L.	C.	18 21 10.23	9.96	+0.27	.	.	.	C.	25 40 44.0	44.1	+0.1	.	.	.
10.0	K.	C.	.	.	.	.	.	.	C.	25 36 31.7	33.7	+2.0	.	.	.
11.0	Po.	C.	18 33 60.12	59.78	+0.34	.	.	.	C.	25 30 54.1	54.7	+0.6	.	.	.
24.1	K.	I	19 38 9.00	8.97	+0.03	.	.	.	C.	-22 24 38.9	38.2	-0.7	.	.	.

MERCURY—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Dec. 27.1	L.	I	19 42 35.54	35.37	+0.17	..	..	..	C.	21 28 23.8	24.0	+0.2	..	..	..
28.1	La.	I	19 42 36.81	36.60	+0.21	..	..	..	C.	21 10 52.5	53.7	+1.2	..	..	..
29.0	S.	C.	19 41 49.98	49.63	+0.35	..	..	..	C.	20 54 24.9	26.0	+1.1	..	..	..
30.0	L.	C.	19 40 13.40	13.15	+0.25	..	..	..	C.	20 39 14.1	14.2	+0.1	..	..	..
1898.															
Jan. 16.9	Br.	C.	18 32 25.50	25.23	+0.27	..	..	..	C.	20 26 38.6	38.1	-0.5	..	..	..
17.9	L.	C.	18 32 41.50	41.19	+0.31	..	..	..	C.	21 15 33.7	35.7	+2.0	..	..	..
23.9	K.	C.	18 44 26.57	26.35	+0.22	..	..	..	C.	21 34 8.9	8.3	-0.6	..	..	..
26.9	B.	C.	18 55 10.97	10.66	+0.31	..	..	..	C.				..	..	..
Feb. 2.9	L.	C.	19 27 49.99	49.63	+0.36	..	..	..	C.	21 47 12.4	12.1	-0.3	..	..	..
3.9	K.	C.	19 33 6.35	6.04	+0.31	..	..	..	C.	21 44 53.6	53.9	+0.3	..	..	..
6.9	K.	II	19 49 34.25	34.01	+0.24	..	..	..	C.	21 31 1.6	1.3	-0.3	..	..	..
10.9	K.	II	20 12 43.33	43.04	+0.29	..	..	..	C.	20 55 29.1	30.0	+0.9	..	..	..
14.0	L.	C.	20 30 45.54	45.20	+0.34	..	..	..	C.	20 15 33.8	34.9	+1.1	..	..	..
16.0	S.	C.	20 43 1.91	1.64	+0.27	..	..	..	C.	19 42 28.8	30.0	+1.2	..	..	..
17.0	L.	C.	20 49 13.94	13.71	+0.23	..	..	..	C.	19 23 59.4	59.9	+0.5	..	..	..
24.0	L.	C.	21 33 36.63	36.38	+0.25	0.30	0.18	+0.12	C.	16 37 29.2	30.9	+1.7	..	..	..
26.0	B.	C.	21 46 33.37	33.08	+0.29	..	..	..	C.	15 38 0.1	0.0	-0.1	..	..	..
28.0	L.	C.	21 59 36.51	36.18	+0.33	0.34	0.17	+0.17	C.	14 33 10.4	10.4	0.0	..	..	..
29.0	Br.	C.	22 6 10.29	10.15	+0.14	..	..	..	C.	13 58 45.4	46.1	+0.7	..	..	..
Mar. 3.0	L.	C.	22 19 23.29	22.99	+0.30	..	..	..	C.	12 45 60.6	59.6	-1.0	..	..	..
5.0	Po.	C.	22 32 42.89	42.64	+0.25	..	..	..	C.	11 27 56.7	57.4	+0.7	..	..	..
8.0	La.	C.	22 52 56.11	55.83	+0.28	..	..	..	C.	9 21 8.0	10.3	+2.3	..	..	..
25.0	K.	C.	0 52 50.03	50.10	-0.07	0.26	0.18	+0.08	C.	15 34 57.9	59.6	-1.7	..	..	..
31.0	L.	C.	1 34 16.21	16.36	-0.15	..	..	..	C.	11 0 48.3	50.9	-2.6	..	..	..
Apr. 1.0	K.	I	1 40 43.59	43.80	-0.21	..	..	..	C.	11 50 15.4	17.8	-2.4	..	..	..
6.0	S.	C.	2 9 45.08	45.24	-0.16	..	..	..	C.	15 24 21.6	22.2	-0.6	..	..	..
7.0	L.	C.	2 14 45.56	45.72	-0.16	..	..	..	C.	15 59 29.0	30.7	-1.7	..	..	..
8.0	K.	I	2 19 27.63	27.72	-0.09	..	..	..	C.	16 31 49.0	50.6	-1.6	..	..	..
12.0	Po.	I	2 34 53.76	54.00	-0.24	..	..	..	C.	18 11 50.5	51.5	-1.0	..	..	..
16.0	Br.	I	2 44 28.17	28.42	-0.25	..	..	..	C.	19 3 15.9	16.8	-0.9	..	..	..
20.0	B.	C.	2 47 56.23	56.55	-0.32	..	..	..	C.	19 5 22.8	24.0	-1.2	..	..	..
May 15.9	K.	II	2 18 7.89	8.26	-0.37	..	..	..	C.	10 35 36.1	38.8	-2.7	..	..	..
16.9	La.	II	2 19 3.92	4.09	-0.17	..	..	..	C.	10 32 21.4	23.5	-2.1	..	..	..
17.9	S.	C.	2 20 15.43	15.74	-0.31	..	..	..	C.	10 31 30.5	31.7	-1.2	..	..	..
19.9	Po.	C.	2 23 25.23	25.45	-0.22	..	..	..	C.	10 36 41.4	44.7	-3.3	..	..	..
23.9	Br.	C.	2 32 41.58	41.89	-0.31	..	..	..	C.	11 12 49.6	50.8	-1.2	..	..	..
27.9	Po.	II	2 45 38.28	38.49	-0.21	..	..	..	C.	12 18 26.1	26.5	-0.4	..	..	..
30.9	La.	II	2 57 36.84	36.91	-0.07	..	..	..	C.	13 23 20.6	20.6	0.0	..	..	..
31.9	S.	C.	3 2 1.59	1.61	-0.02	..	..	..	C.	13 47 25.9	27.4	-1.5	..	..	..
June 2.9	La.	II	3 11 28.66	28.67	-0.01	..	..	..	C.	14 38 48.3	49.0	-0.7	..	..	..
5.9	L.	C.	3 27 14.04	14.11	-0.07	..	..	..	C.	16 2 10.6	11.0	-0.4	..	..	..
6.9	Br.	C.	3 32 54.84	54.94	-0.10	..	..	..	C.	16 31 13.9	14.5	-0.6	..	..	..
7.9	S.	C.	3 38 48.73	48.84	-0.11	..	..	..	C.	17 0 43.2	44.5	-1.3	..	..	..
8.9	L.	II	3 44 56.00	55.99	+0.01	..	..	..	N.	17 30 33.7	33.9	-0.2	..	..	..
9.9	B.	C.	3 51 16.55	16.56	-0.01	..	..	..	C.	18 0 35.4	35.2	+0.2	..	..	..
10.9	Po.	C.			..	..	..	..	C.	18 30 40.1	40.6	-0.5	..	..	..
12.9	Br.	C.	4 11 40.40	40.51	-0.11	..	..	..	C.	19 30 28.9	28.5	+0.4	..	..	..
20.0	Br.	C.	5 7 20.55	20.67	-0.12	..	..	..	C.	22 38 3.9	4.5	-0.6	..	..	..
22.0	S.	C.	5 25 9.70	9.88	-0.18	..	..	..	C.	23 19 6.4	8.1	-1.7	..	..	..
23.0	L.	C.	5 34 19.77	19.92	-0.15	..	..	..	C.	23 36 34.2	34.5	-0.3	..	..	..
24.0	K.	II	5 43 38.57	38.62	-0.05	..	..	..	C.	23 51 43.6	42.8	+0.8	..	..	..
25.0	Po.	II	5 53 4.19	4.55	-0.36	..	..	..	C.			..	..	..	..
27.0	K.	C.	6 12 11.53	11.65	-0.12	..	..	..	C.	24 21 49.3	49.2	+0.1	..	..	..
July 2.0	B.	C.	7 0 8.96	9.12	-0.16	..	..	..	C.	24 16 25.2	23.9	+1.3	..	..	..
7.0	L.	C.	7 45 50.81	51.02	-0.21	0.27	0.18	+0.09	C.	23 4 25.4	24.9	+0.5	..	..	..
8.0	K.	I	7 54 31.39	31.56	-0.17	..	..	..	C.	22 43 13.2	11.3	+1.9	..	..	..
18.1	L.	I	9 11 8.97	9.03	-0.06	..	..	..	C.	17 46 9.7	9.7	0.0	..	..	..
20.1	S.	C.	9 24 17.28	17.31	-0.03	..	..	..	C.	16 24 42.8	42.8	0.0	..	..	..
21.1	L.	C.	9 30 36.00	36.00	0.00	..	..	..	C.	15 58 10.9	10.3	+0.6	..	..	..
25.1	K.	I	9 54 11.54	11.58	-0.04	..	..	..	C.	13 28 32.9	32.7	+0.2	..	..	..
26.1	La.	I	9 59 41.41	41.39	+0.02	..	..	..	C.	12 50 41.5	39.9	+1.6	..	..	..
29.1	K.	I	10 15 14.65	14.72	-0.07	..	..	..	C.	10 57 3.7	3.8	-0.1	..	..	..
30.1	B.	C.	10 20 7.34	7.30	+0.04	..	..	..	C.	+10 19 26.5	26.3	+0.2	..	..	..

M E R C U R Y—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Aug. 2.1	Br.	C.	10 33 49.37	49.42	-0.05	..	..	..	C.	+ 8 28 13.9	14.7	-0.8	..	..	..
3.1	La.	I	10 38 4.60	4.72	-0.12	..	..	..	C.	7 51 59.2	58.0	+1.2	..	..	..
4.1	L.	I	10 42 10.40	10.48	-0.08	..	..	..	C.	7 16 10.7	11.8	-1.1	..	..	..
5.1	K.	I	10 46 6.50	6.52	-0.02	..	..	..	C.	6 41 0.1	0.7	-0.6	..	..	..
6.1	Br.	C.	10 49 52.55	52.64	-0.09	..	..	..	C.	6 6 28.3	29.4	-1.1	..	..	..
17.1	K.	I	11 18 43.28	43.43	-0.15	..	..	..	C.	0 56 10.0	11.4	-1.4	..	..	..
18.1	Br.	C.	11 19 58.46	58.54	-0.08	..	..	..	C.	+ 0 37 13.7	13.8	-0.1	..	..	..
22.1	K.	I	11 22 5.67	5.93	-0.26	..	..	..	C.	- 0 15 25.8	25.5	-0.3	..	..	..
24.0	B.	I	11 21 16.17	16.41	-0.24	..	..	..	C.	0 25 21.9	21.8	-0.1	..	..	..
27.0	B.	I	11 17 31.18	31.46	-0.28	..	..	..	C.	- 0 15 56.0	59.0	+3.0	..	..	..
Sept. 17.0	B.	C.	10 38 29.88	29.86	+0.02	..	..	..	C.	+ 8 28 6.4	7.7	-1.3	..	..	..
19.0	K.	II	10 43 31.38	31.36	+0.02	..	..	..	C.	8 32 6.9	7.6	-0.7	..	..	..
24.0	B.	C.	11 4 14.30	14.34	-0.04	..	..	..	C.	7 27 55.3	56.8	-1.5	..	..	..
27.0	K.	II	11 20 38.80	38.74	+0.06	..	..	..	C.	6 6 13.0	13.8	-0.8	..	..	..
28.0	S.	C.	11 26 31.82	31.90	-0.08	..	..	..	C.	5 33 23.4	23.9	-0.5	..	..	..
29.0	L.	II	11 32 34.13	34.04	+0.09	..	..	..	C.	4 58 14.6	15.4	-0.8	..	..	..
30.0	K.	II	11 38 43.37	43.32	+0.05	..	..	..	C.	4 21 5.0	5.2	-0.2	..	..	..
Oct. 1.0	B.	C.	11 44 58.08	58.13	-0.05	..	..	..	C.	3 42 9.1	9.6	-0.5	..	..	..
6.0	L.	C.	12 16 52.88	52.77	+0.11	..	..	..	C.	+ 0 9 30.6	31.4	-0.8	..	..	..
10.0	L.	C.	12 42 29.35	29.24	+0.11	..	..	..	C.	- 2 50 51.8	52.7	+0.9	..	..	..
11.0	Br.	C.	12 48 50.73	50.80	-0.07	..	..	..	C.	3 36 14.1	13.7	-0.4	..	..	..
12.0	S.	C.	12 55 11.19	11.05	+0.14	..	..	..	C.	4 21 30.2	28.4	-1.8	..	..	..
13.0	L.	C.	13 1 30.13	29.98	+0.15	..	..	..	C.	5 6 32.4	32.0	-0.4	..	..	..
25.0	Br.	C.	14 15 54.80	54.49	+0.31	..	..	..	C.	13 32 33.0	32.0	-1.0	..	..	..
27.0	L.	C.	14 28 11.63	11.39	+0.24	..	..	..	C.	14 47 61.0	59.5	-1.5	..	..	..
28.0	K.	C.	14 34 20.43	19.97	+0.46	..	..	..	C.	15 24 33.9	33.9	0.0	..	..	..
31.0	K.	I	14 52 47.88	47.57	+0.31	..	..	..	C.	17 9 25.6	23.9	-1.7	..	..	..
Nov. 1.0	La.	C.	14 58 58.00	57.72	+0.28	..	..	..	C.	17 42 40.4	38.7	-1.7	..	..	..
2.0	S.	C.	15 5 8.89	8.48	+0.41	..	..	..	C.	18 15 2.1	0.4	-1.7	..	..	..
3.0	L.	C.	15 11 20.33	19.93	+0.40	..	..	..	C.	18 46 29.3	27.7	-1.6	..	..	..
7.0	L.	C.	15 36 13.74	13.36	+0.38	..	..	..	C.	20 42 49.7	47.6	-2.1	..	..	..
9.0	S.	C.	15 48 45.23	44.94	+0.29	..	..	..	C.	21 34 59.2	57.3	-1.9	..	..	..
11.0	K.	I	16 1 19.88	19.54	+0.34	..	..	..	C.	22 22 54.4	51.7	-2.7	..	..	..
12.0	B.	C.	16 7 37.95	37.80	+0.15	..	..	..	C.	22 45 12.4	9.7	-2.7	..	..	..
21.0	K.	I	17 4 19.83	19.57	+0.26	..	..	..	C.	25 11 46.5	45.2	-1.3	..	..	..
23.0	S.	C.	17 16 41.21	40.94	+0.27	..	..	..	C.	25 30 2.4	2.6	+0.2	..	..	..
25.0	K.	I	17 28 48.13	47.94	+0.19	..	..	..	C.	25 42 47.1	45.7	-1.4	..	..	..
30.1	S.	C.	17 57 13.81	13.53	+0.28	..	..	..	C.	25 49 34.3	34.1	-0.2	..	..	..
Dec. 1.1	L.	C.	18 2 25.56	25.22	+0.34	..	..	..	C.	25 46 38.0	37.8	-0.2	..	..	..
7.1	S.	C.	18 27 23.94	23.80	+0.14	..	..	..	C.	25 0 49.1	48.0	-1.1	..	..	..
8.1	L.	I	18 30 5.99	5.89	+0.10	..	..	..	C.	24 48 56.5	56.1	-0.4	..	..	..
9.1	K.	I	18 32 14.14	14.12	+0.02	..	..	..	C.	24 36 3.2	3.4	+0.2	..	..	..
10.1	B.	C.	18 33 44.91	44.88	+0.03	..	..	..	C.	24 22 16.6	15.5	-1.1	..	..	..
13.0	Ei.	C.	18 33 58.05	57.89	+0.16	..	..	..	C.	23 36 19.9	18.9	-1.0	..	..	..
14.0	S.	C.	18 32 27.12	26.79	+0.33	..	..	..	C.	23 19 48.4	48.3	-0.1	..	..	..
15.0	L.	C.	18 30 6.18	5.82	+0.36	..	..	..	C.	23 2 52.2	51.4	-0.8	..	..	..
30.0	B.	C.	17 25 17.51	17.06	+0.45	..	..	..	C.	20 6 16.3	14.9	-1.4	..	..	..
1899.															
Jan. 6.9	Ei.	II	17 35 4.19	3.97	+0.22	..	..	..	C.	21 6 22.2	21.2	-1.0	..	..	..
7.9	Br.	II	17 38 20.79	20.60	+0.19	..	..	..	C.	21 17 10.2	11.7	+1.5	..	..	..
10.9	Br.	C.	17 49 59.88	59.56	+0.32	..	..	..	C.	21 49 27.7	29.5	+1.8	..	..	..
19.9	K.	II	18 35 49.46	49.13	+0.33	..	..	..	C.	22 57 11.5	11.0	-0.5	..	..	..
20.9	Br.	C.	18 41 34.46	34.24	+0.22	..	..	..	C.	23 0 18.4	18.9	+0.5	..	..	..
24.9	L.	C.	19 5 26.24	25.83	+0.41	..	..	..	C.	23 1 49.0	50.0	+1.0	..	..	..
26.0	Br.	C.	19 11 34.72	34.50	+0.22	..	..	..	C.	22 59 16.4	18.3	+1.9	..	..	..
27.0	K.	C.	19 17 47.12	46.80	+0.32	..	..	..	C.	22 55 33.2	33.8	+0.6	..	..	..
30.0	La.	C.	19 36 42.93	42.68	+0.25	..	..	..	C.	22 36 50.5	49.9	-0.6	..	..	..
Feb. 1.0	S.	C.	19 49 33.80	33.38	+0.42	..	..	..	C.	22 17 52.3	55.0	+2.7	..	..	..
4.0	Br.	C.	20 9 6.05	5.69	+0.36	..	..	..	C.	21 39 36.5	37.4	+0.9	..	..	..
9.0	L.	C.	20 42 13.37	12.99	+0.38	..	..	..	C.	20 8 37.8	38.2	+0.4	..	..	..
20.0	Ei.	C.	21 56 45.79	45.64	+0.15	..	..	..	C.	14 45 30.5	31.4	+0.9	..	..	..
Mar. 6.0	La.	C.	23 34 2.76	2.75	+0.01	..	..	..	C.	- 3 57 25.1	23.3	-1.8	..	..	..
16.0	L.	I	0 40 24.73	24.85	-0.12	..	..	..	C.	+ 5 10 52.7	54.6	-1.9	..	..	..
17.0	K.	I	0 46 18.17	18.25	-0.08	..	..	..	C.	6 2 1.1	3.5	-2.4	..	..	..
21.0	Br.	C.	1 7 17.51	17.59	-0.08	..	..	..	C.	9 6 52.9	54.4	-1.5	..	..	..
23.0	Ei.	I	1 15 53.72	53.83	-0.11	..	..	..	C.	10 24 3.3	6.1	-2.8	..	..	..
24.0	K.	C.	1 19 38.70	38.93	-0.23	..	..	..	C.	10 58 7.9	9.6	-1.7	..	..	..
29.0	S.	C.	1 32 17.71	17.78	-0.07	..	..	..	C.	+12 56 56.8	57.8	-1.0	..	..	..

MERCURY—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1899.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Apr. 1.0	B. Br.	C.	1 34 44.81	45.00	-0.19	.	.	.	C.	+13 23 19.3	22.1	-2.8	.	.	.
27.9		C.	1 2 10.31	10.52	-0.21	.	.	.	C.	4 30 53.4	53.6	-0.2	.	.	.
May 1.9	B.	C.	1 8 38.71	38.99	-0.28	.	.	.	C.	4 30 13.5	14.9	-1.4	.	.	.
15.9	Ei.	II	1 57 49.56	49.57	-0.01	.	.	.	C.	8 42 17.7	17.0	+0.7	.	.	.
18.9	K.	II	2 12 48.26	48.18	+0.08	.	.	.	C.	10 13 28.5	29.3	-0.8	.	.	.
23.9	See.	C.	2 41 5.24	5.21	+0.03	.	.	.	C.	13 3 38.5	37.5	+1.0	.	.	.
24.9	L.	C.	2 47 15.81	15.81	0.00	.	.	.	C.	13 39 38.9	39.4	-0.5	.	.	.
25.9	Ei.	II	2 53 37.33	37.25	+0.08	.	.	.	C.	14 16 9.8	9.3	+0.5	.	.	.
26.9	La.	C.	3 0 9.69	9.79	-0.10	.	.	.	C.	14 53 2.9	1.4	+1.5	.	.	.
28.9	B.	C.	3 13 49.23	49.21	+0.02	.	.	.	C.	16 7 24.2	25.0	-0.8	.	.	.
June 2.0	L.	C.	3 43 31.31	31.40	-0.09	.	.	.	C.	18 35 21.5	21.3	+0.2	.	.	.
3.0	B.	C.	3 51 27.55	27.66	-0.11	.	.	.	C.	+19 11 17.2	18.6	-1.4	.	.	.

SIX-INCH TRANSIT CIRCLE.

June 19.0	La.	C.	6 18 28.81	28.84	-0.03	.	.	.	C.	+24 56 58.0	60.8	-2.8	.	.	.
20.0	Br.	C.	6 27 53.89	53.90	-0.01	.	.	.	C.	24 57 6.1	7.8	-1.7	.	.	.
22.0	L.	C.	6 46 21.89	22.20	-0.31	.	.	.	C.	24 49 16.2	16.8	-0.6	.	.	.
23.0	K.	I	6 55 23.16	23.41	-0.25	.	.	.	C.	24 41 30.9	30.4	+0.5	.	.	.
24.0	B.	C.	7 4 14.83	14.90	-0.07	.	.	.	C.	24 31 18.4	19.3	-0.9	.	.	.
26.0	La.	C.	7 21 26.11	26.32	-0.21	.	.	.	C.	24 4 16.4	13.3	+3.1	.	.	.
30.1	K.	I	7 53 32.18	32.24	-0.06	.	.	.	C.	22 46 51.1	51.1	0.0	.	.	.
July 1.1	B.	C.	8 1 3.98	4.05	-0.07	.	.	.	C.	22 23 27.0	27.8	-0.8	.	.	.
3.1	La.	C.	8 15 31.66	31.70	-0.04	.	.	.	C.	21 32 43.4	43.9	-0.5	.	.	.
7.1	Br.	C.	8 42 4.47	4.52	-0.05	.	.	.	C.	19 38 41.4	42.2	-0.8	.	.	.
11.1	Ei.	I	9 5 31.21	31.29	-0.08	.	.	.	C.	17 33 35.7	36.0	-0.3	.	.	.
12.1	See.	I	9 10 54.40	54.39	+0.01	.	.	.	.	.	.	.	.	.	.
18.1	Br.	C.	9 39 13.18	13.37	-0.19	.	.	.	C.	13 46 3.5	2.9	+0.6	.	.	.
19.1	Ei.	I	9 43 15.94	15.96	-0.02	.	.	.	C.	13 14 3.5	2.5	+1.0	.	.	.
20.1	L.	C.	9 47 6.27	6.58	-0.31	.	.	.	C.	12 42 22.0	25.3	-3.3	.	.	.
21.1	K.	I	9 50 44.90	45.00	-0.10	.	.	.	C.	12 11 17.6	16.8	+0.8	.	.	.
Aug. 7.0	La.	I	10 15 33.98	34.45	-0.47	.	.	.	C.	6 19 44.2	43.2	+1.0	.	.	.
Sept. 1.0	Br.	C.	9 35 24.90	24.92	-0.02	.	.	.	C.	13 24 0.2	0.4	-0.2	.	.	.
4.0	U.	II	9 44 38.77	38.91	-0.14	.	.	.	C.	13 30 15.0	17.1	-2.1	.	.	.
6.0	B.	C.	9 53 10.43	10.39	+0.04	.	.	.	C.	13 16 50.9	52.9	-2.0	.	.	.
7.0	U.	C.	9 58 3.23	3.30	-0.07	.	.	.	.	.	.	.	.	.	.
8.0	L.	C.	10 3 17.98	18.05	-0.07	.	.	.	C.	12 49 20.4	22.0	-1.6	.	.	.
12.0	Ei.	II	10 27 7.85	7.90	-0.05	.	.	.	C.	11 14 58.1	58.3	-0.2	.	.	.
13.0	B.	C.	10 33 36.21	36.32	-0.11	.	.	.	C.	10 44 8.0	7.5	+0.5	.	.	.
14.0	U.	C.	10 40 12.67	12.76	-0.09	.	.	.	C.	10 10 49.6	47.7	+1.9	.	.	.
15.0	L.	C.	10 46 55.20	55.27	-0.07	.	.	.	C.	9 35 13.4	12.6	+0.8	.	.	.
16.0	B.	C.	10 53 42.00	42.16	-0.16	.	.	.	C.	8 57 36.2	36.3	-0.1	.	.	.
22.0	L.	C.	11 34 43.89	43.94	-0.05	.	.	.	C.	4 41 47.6	47.0	+0.6	.	.	.
23.0	B.	C.	11 41 29.65	29.74	-0.09	.	.	.	C.	+3 55 57.0	55.7	+1.3	.	.	.
Oct. 7.0	B.	C.	13 11 7.47	7.45	+0.02	.	.	.	C.	-6 52 11.4	11.7	+0.3	.	.	.
9.0	La.	C.	13 23 16.58	16.35	+0.23	.	.	.	C.	8 19 34.9	37.6	+2.7	.	.	.
10.0	Br.	C.	13 29 18.60	18.36	+0.24	.	.	.	C.	9 2 29.7	30.6	+0.9	.	.	.
13.0	Ei.	C.	13 47 16.67	16.49	+0.18	.	.	.	C.	11 7 31.4	29.8	-1.6	.	.	.
14.0	B.	C.	13 53 14.00	13.73	+0.27	.	.	.	C.	11 47 53.1	51.7	-1.4	.	.	.
19.0	L.	C.	14 22 49.97	49.76	+0.21	.	.	.	C.	14 59 2.6	0.8	-1.8	.	.	.
Nov. 2.0	L.	C.	15 45 4.22	3.90	+0.32	.	.	.	C.	22 1 1.2	0.6	-0.6	.	.	.
7.0	Br.	C.	16 13 44.94	44.78	+0.16	.	.	.	C.	23 42 13.2	13.4	+0.2	.	.	.
9.0	L.	C.	16 24 52.21	51.99	+0.22	.	.	.	C.	24 14 2.4	2.0	-0.4	.	.	.
13.1	La.	C.	16 45 58.34	58.16	+0.18	.	.	.	C.	25 1 20.3	21.3	+1.0	.	.	.
16.1	L.	I	17 0 12.09	11.86	+0.23	.	.	.	C.	25 21 32.2	31.4	-0.8	.	.	.
20.1	La.	C.	17 15 33.86	33.84	+0.02	.	.	.	C.	25 26 12.2	10.1	-2.1	.	.	.
21.1	Br.	C.	17 18 29.90	29.84	+0.06	.	.	.	C.	25 23 5.7	5.9	+0.2	.	.	.
27.0	B.	C.	17 24 29.80	29.65	+0.15	.	.	.	C.	24 25 21.7	20.2	-1.5	.	.	.
Dec. 13.9	L.	C.	16 18 30.05	29.85	+0.20	.	.	.	C.	18 29 11.3	11.9	+0.6	.	.	.
14.9	La.	C.	16 17 52.77	52.50	+0.27	.	.	.	C.	18 27 13.2	11.5	-1.7	.	.	.
20.9	L.	II	16 26 48.98	48.77	+0.21	.	.	.	C.	19 11 55.2	56.3	+1.1	.	.	.
21.9	B.	II	16 29 58.01	57.73	+0.28	.	.	.	C.	19 25 38.9	41.3	+2.4	.	.	.
28.9	B.	II	17 0 10.54	10.30	+0.24	.	.	.	C.	-21 16 24.8	24.0	-0.8	.	.	.

VENUS.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1894.			h m s	s	s	s	s	s		° ' "	"	"	" "	"	"
Nov. 10.0	L.	.	14 44 46.96	46.92	+0.04	0.34	0.35	-0.01	.	14 59 42.7	43.6	+0.9	5.0	5.0	0.0
12.0	S.	.	14 54 40.19	40.30	-0.11	0.32	0.35	-0.03	.	15 47 43.9	43.4	-0.5	5.2	5.0	+0.2
14.0	K.	.	15 4 38.50	38.42	+0.08	0.39	0.35	+0.04	.	16 34 4.8	5.4	+0.6	5.0	5.0	0.0
15.0	L.	.	.	.	.	.	.	.	.	16 56 38.9	37.7	-1.2	3.9	5.0	-1.1
Dec. 14.0	P.	C.	17 43 13.89	13.62	+0.27	.	.	.	C.	23 46 30.9	29.4	-1.5	.	.	.
15.0	L.	.	17 48 43.58	43.58	0.00	0.34	0.37	-0.03	.	23 50 38.6	38.9	+0.3	4.6	5.0	-0.4
17.0	S.	C.	17 59 44.43	44.40	+0.03	.	.	.	C.	23 56 43.2	45.2	+2.0	.	.	.
18.0	P.	C.	18 5 15.26	15.13	+0.13	.	.	.	C.	23 58 40.7	41.6	+0.9	.	.	.
20.0	P.	C.	18 16 17.11	16.92	+0.19	.	.	.	C.	24 0 18.6	20.1	+1.5	.	.	.
1895.															
Jan. 23.0	K.	.	21 17 33.15	32.97	+0.18	0.44	0.36	+0.08	.	-17 18 23.5	24.1	+0.6	6.0	5.2	+0.8
Mar. 9.1	L.	.	0 47 19.25	19.40	-0.15	0.43	0.38	+0.05	C.	+ 4 12 22.9	24.0	-1.1	.	.	.
19.1	P.	C.	1 32 33.54	33.52	+0.02	.	.	.	C.	9 14 54.7	55.1	-0.4	.	.	.
Apr. 5.1	P.	C.	2 51 51.24	51.24	0.00	.	.	.	C.	16 54 24.4	23.1	+1.3	.	.	.
10.1	K.	.	3 15 59.49	59.51	-0.02	0.53	0.44	+0.09	.	18 49 6.4	6.2	+0.2	6.4	6.3	+0.1
17.1	K.	.	3 50 28.29	28.39	-0.10	0.50	0.46	+0.04	.	21 9 17.3	18.1	-0.8	6.0	6.5	-0.5
19.1	P.	.	4 0 28.20	28.16	+0.04	0.44	0.47	-0.03	.	21 44 33.1	31.8	+1.3	6.2	6.5	-0.3
20.1	L.	I	4 5 29.32	29.42	-0.10	.	.	.	C.	22 1 16.7	17.2	-0.5	.	.	.
23.1	P.	.	4 20 38.41	38.28	+0.13	0.47	0.48	-0.01	.	22 47 59.9	60.3	-0.4	6.2	6.7	-0.5
24.1	K.	.	4 25 42.85	42.84	+0.01	0.42	0.48	-0.06	.	23 2 22.5	22.0	+0.5	6.4	6.7	0.3
25.1	L.	.	4 30 48.08	48.13	-0.05	0.46	0.49	-0.03	C.	23 16 6.1	6.4	-0.3	.	.	.
May 9.1	P.	.	5 42 52.58	52.55	+0.03	0.49	0.53	-0.04	C.	25 19 24.4	24.1	+0.3	.	.	.
22.1	K.	.	6 49 34.22	34.16	+0.06	0.57	0.58	-0.01	.	25 12 59.0	58.9	+0.1	8.4	7.9	+0.5
23.1	P.	.	6 54 37.30	37.21	+0.09	0.55	0.58	-0.03	C.	25 7 40.8	41.1	-0.3	.	.	.
28.1	P.	.	7 19 36.07	35.89	+0.18	0.66	0.60	+0.06	C.	24 31 18.5	18.7	-0.2	.	.	.
June 6.1	P.	I	8 3 5.56	5.44	+0.12	.	.	.	C.	22 46 50.5	50.5	0.0	.	.	.
8.1	P.	I	8 12 27.15	27.08	+0.07	.	.	.	C.	22 17 21.6	21.9	-0.3	.	.	.
July 3.1	P.	I	9 58 14.02	13.98	+0.04	.	.	.	C.	13 42 40.2	41.0	-0.8	.	.	.
9.1	P.	I	10 20 12.74	12.71	+0.03	.	.	.	.	11 11 43.9	43.9	0.0	12.1	12.0	+0.1
10.1	P.	I	10 23 44.20	44.15	+0.05	.	.	.	.	10 46 0.9	1.5	-0.6	11.5	12.1	-0.6
18.1	P.	I	10 50 26.22	26.16	+0.06	.	.	.	.	7 16 57.8	59.0	-1.2	13.0	13.4	-0.4
20.1	P.	I	10 56 40.70	40.63	+0.07	.	.	.	N.	+ 6 24 13.5	15.4	-1.9	.	.	.
Aug. 7.1	P.	I	11 43 15.08	15.09	-0.01	.	.	.	N.	- 1 13 46.0	42.6	-3.4	.	.	.
8.1	P.	I	11 45 13.38	13.36	+0.02	.	.	.	N.	1 37 9.0	6.9	-2.1	.	.	.
9.1	P.	I	11 47 6.92	6.91	+0.01	.	.	.	N.	2 0 13.7	10.5	-3.2	.	.	.
10.1	P.	I	11 48 55.63	55.58	+0.05	.	.	.	N.	2 22 54.0	51.9	-2.1	.	.	.
13.1	P.	I	11 53 50.77	50.72	+0.05	.	.	.	N.	3 28 30.6	29.4	-1.2	.	.	.
16.1	P.	I	11 57 56.01	55.89	+0.12	.	.	.	N.	4 29 55.1	52.8	-2.3	.	.	.
19.1	P.	I	12 1 6.08	6.01	+0.07	.	.	.	N.	5 26 15.8	13.8	-2.0	.	.	.
24.1	P.	I	12 4 6.02	5.94	+0.08	.	.	.	N.	6 46 24.0	20.6	-3.4	.	.	.
Sept. 21.0	P.	II	11 26 36.95	36.68	+0.27	.	.	.	N.	5 38 58.4	59.0	+0.6	.	.	.
23.0	P.	II	11 22 34.87	34.63	+0.24	.	.	.	N.	5 1 10.1	9.0	-1.1	.	.	.
26.0	P.	II	11 17 9.26	9.20	+0.06	.	.	.	N.	4 1 56.2	55.5	-0.7	.	.	.
30.9	P.	II	11 10 26.64	26.39	+0.25	.	.	.	.	2 24 5.9	5.4	-0.5	28.0	28.4	-0.4
Oct. 1.9	P.	II	11 9 30.89	30.65	+0.24	.	.	.	.	2 5 35.8	34.8	-1.0	28.1	28.1	0.0
2.9	P.	II	11 8 44.07	43.80	+0.27	.	.	.	S.	1 47 37.3	37.6	+0.3	.	.	.
3.9	P.	II	11 8 6.08	5.99	+0.09	.	.	.	S.	1 30 17.3	18.1	+0.8	.	.	.
4.9	P.	II	11 7 37.58	37.32	+0.26	.	.	.	S.	1 13 39.9	39.9	0.0	.	.	.
9.9	L.	II	11 7 31.44	31.22	+0.22	.	.	.	S.	- 0 2 35.2	34.8	-0.4	.	.	.
13.9	L.	II	11 10 4.77	4.65	+0.12	.	.	.	S.	+ 0 38 0.8	0.0	+0.8	.	.	.
15.9	L.	II	11 12 10.18	10.08	+0.10	.	.	.	S.	0 52 36.1	35.4	+0.7	.	.	.
17.9	L.	II	11 14 45.75	45.45	+0.30	.	.	.	S.	1 3 25.4	23.4	+2.0	.	.	.
18.9	L.	II	11 16 14.01	13.75	+0.26	.	.	.	S.	1 7 23.5	23.4	+0.1	.	.	.
20.9	L.	II	11 19 30.54	30.39	+0.15	.	.	.	S.	1 12 39.9	38.8	+1.1	.	.	.
21.9	L.	II	11 21 18.39	18.24	+0.15	.	.	.	S.	1 13 56.6	55.7	+0.9	.	.	.
22.9	L.	II	11 23 12.27	12.14	+0.13	.	.	.	S.	1 14 20.9	20.0	+0.9	.	.	.
23.9	L.	II	11 25 11.90	11.81	+0.09	.	.	.	S.	1 13 54.8	52.6	+2.2	.	.	.
24.9	L.	II	11 27 17.14	17.06	+0.08	.	.	.	S.	1 12 35.5	34.4	+1.1	.	.	.
25.9	L.	II	11 29 27.83	27.68	+0.15	.	.	.	S.	1 10 27.1	26.4	+0.7	.	.	.
27.9	L.	II	11 34 4.31	4.25	+0.06	.	.	.	S.	1 3 46.2	45.0	+1.2	.	.	.
28.9	L.	II	11 36 29.88	29.80	+0.08	.	.	.	S.	0 59 14.2	13.6	+0.6	.	.	.
29.9	L.	II	11 38 60.05	59.93	+0.12	.	.	.	S.	+ 0 53 57.5	56.5	+1.0	.	.	.

V E N U S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1895.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Nov. 3.9	L.	II	11 52 33.56	33.43	+0.13	..	..	..	S.	+ 0 16 45.1	44.4	+0.7	..	..	..
11.9	P.	II	12 17 16.84	16.65	+0.19	..	..	..	S.	- 1 15 24.9	27.7	+2.8	..	..	..
15.9	P.	II	12 30 45.16	45.05	+0.11	..	..	..	S.	2 13 55.5	57.4	+1.9	..	..	..
20.9	P.	II	12 48 26.32	26.17	+0.15	..	..	..	S.	3 36 12.0	13.7	+1.7	..	..	..
21.9	P.	II	12 52 4.53	4.46	+0.07	..	..	..	S.	3 53 40.4	43.3	+2.9	..	..	..
26.9	P.	II	13 10 43.65	43.58	+0.07	..	..	..	S.	5 25 24.3	26.5	+2.2	..	..	..
28.9	P.	II	13 18 23.61	23.49	+0.12	..	..	..	S.	6 3 47.9	48.7	+0.8	..	..	..
Dec. 2.9	P.	II	13 34 3.41	3.28	+0.13	..	..	..	S.	7 22 41.5	42.6	+1.1	..	..	..
3.9	P.	II	13 38 2.36	2.27	+0.09	..	..	..	S.	7 42 46.5	47.4	+0.9	..	..	..
5.9	P.	II	13 46 5.09	5.01	+0.08	..	..	..	S.	8 23 13.4	15.7	+2.3	..	..	..
15.9	P.	II	14 27 50.52	50.41	+0.11	..	..	..	S.	11 47 30.8	32.1	+1.3	..	..	..
26.9	P.	II	15 16 35.84	35.74	+0.10	..	..	..	S.	15 21 41.5	42.7	+1.2	..	..	..
1896.															
Jan. 3.9	S.	.	15 53 52.57	52.64	-0.07	0.70	0.63	+0.07	.	17 39 33.1	32.2	-0.9	9.1	9.0	+0.1
7.9	P.	.	16 22 48.72	48.73	-0.01	..	..	..	C.	18 40 8.5	9.8	+1.3	..	..	..
9.9	K.	II	16 22 48.72	48.73	-0.01	..	..	..	S.	19 8 1.2	1.3	+0.1	..	..	..
13.9	S.	.	16 42 31.66	31.64	+0.02	0.55	0.60	-0.05	.	19 58 19.8	19.4	-0.4	8.5	8.4	+0.1
14.9	P.	II	16 47 30.37	30.28	+0.09	..	..	..	C.	20 9 42.4	42.0	-0.4	..	..	..
15.9	L.	.	16 52 30.09	30.02	+0.07	0.60	0.59	+0.01	.	20 20 33.8	34.5	+0.7	7.5	8.3	-0.8
17.9	S.	.	17 2 32.65	32.68	-0.03	0.65	0.58	+0.07	.	20 40 46.1	46.8	+0.7	9.0	8.2	+0.8
24.9	P.	II	17 38 11.22	11.10	+0.12	..	..	..	C.	21 34 17.7	17.9	+0.2	..	..	..
26.9	L.	.	17 48 29.01	29.04	-0.03	0.54	0.56	-0.02	C.	-21 44 23.4	24.4	+1.0	..	..	..
July 27.0	P.	C.	8 51 44.90	44.77	+0.13	..	..	..	C.	+18 54 48.8	48.8	0.0	..	..	..
28.0	L.	.	8 56 46.82	46.76	+0.06	0.37	0.35	+0.02	C.	18 35 38.5	38.0	+0.5	..	..	..
29.0	P.	.	9 1 47.69	47.62	+0.07	0.32	0.35	-0.03	C.	18 15 56.0	56.0	0.0	..	..	..
30.0	L.	.	9 6 47.33	47.34	-0.01	0.40	0.35	+0.05	C.	17 55 45.6	43.2	+2.4	..	..	..
Aug. 1.0	L.	.	9 31 28.93	28.78	+0.15	..	..	..	C.	17 13 47.1	48.1	-1.0	..	..	..
4.0	K.	C.	9 36 21.77	21.66	+0.11	0.35	0.35	0.00	C.	16 7 21.3	22.2	-0.9	..	..	..
5.0	P.	.	9 41 13.48	13.43	+0.05	0.39	0.35	+0.04	C.	15 44 20.7	19.6	+1.1	..	..	..
6.0	L.	.	9 46 4.20	4.10	+0.10	0.45	0.35	+0.10	C.	15 20 51.2	51.1	+0.1	..	..	..
7.0	K.	.	10 0 29.56	29.57	-0.01	0.36	0.34	+0.02	C.	14 56 58.0	57.6	+0.4	..	..	..
10.0	L.	.	10 5 15.93	15.95	-0.02	0.39	0.34	+0.05	C.	13 42 52.2	53.5	-1.3	..	..	..
11.0	K.	.	10 10 1.42	1.30	+0.12	0.40	0.34	+0.06	C.	13 17 25.4	26.7	-1.3	..	..	..
12.0	P.	.	10 14 45.62	45.64	-0.02	0.41	0.34	+0.07	C.	12 51 38.7	38.5	+0.2	..	..	..
13.0	L.	.	10 33 33.38	33.43	-0.05	0.42	0.34	+0.08	C.	12 25 28.0	29.7	-1.7	..	..	..
17.0	L.	.	10 42 51.99	51.93	+0.06	0.34	0.34	0.00	C.	10 37 40.7	42.5	-1.8	..	..	..
19.0	P.	.	10 47 29.92	29.94	-0.02	0.41	0.34	+0.07	C.	9 42 4.4	3.9	+0.5	..	..	..
20.0	L.	.	10 52 7.28	7.17	+0.11	0.32	0.34	-0.02	C.	9 13 50.6	51.0	-0.4	..	..	..
21.0	K.	.	11 10 29.04	29.02	+0.02	0.38	0.34	+0.04	C.	8 45 23.4	23.3	+0.1	..	..	..
25.0	K.	.	11 15 3.02	2.90	+0.12	0.36	0.34	+0.02	C.	6 49 17.6	19.1	-1.5	..	..	..
26.0	P.	.	11 28 41.56	41.37	+0.19	0.35	0.35	0.00	C.	6 19 47.1	48.2	-1.1	..	..	..
29.0	P.	.	11 37 44.85	44.78	+0.07	0.36	0.35	+0.01	C.	4 50 13.7	15.0	-1.3	..	..	..
31.0	L.	.							C.	3 49 48.3	49.7	-1.4	..	..	..
Sept. 1.0	S.	.	11 42 15.96	15.95	+0.01	0.42	0.35	+0.07	C.	+ 3 19 24.5	26.4	-1.9	..	..	..
3.0	L.	.	11 51 17.36	17.39	-0.03	0.43	0.35	+0.08	C.	- 2 18 19.7	21.7	-2.0	..	..	..
9.0	S.	.	12 18 17.66	17.59	+0.07	0.40	0.35	+0.05	C.	0 46 24.6	22.8	-1.8	..	..	..
10.0	L.	.	12 22 47.53	47.46	+0.07	0.42	0.35	+0.07	C.	1 17 18.3	15.7	-2.6	..	..	..
11.0	P.	.	12 27 17.63	17.39	+0.24	0.33	0.35	-0.02	C.	1 48 10.0	8.2	-1.8	..	..	..
18.0	S.	.	12 58 52.01	52.06	-0.05	0.31	0.36	-0.05	C.	5 23 2.8	1.6	-1.2	..	..	..
19.0	S.	.	13 3 24.00	23.98	+0.02	0.34	0.36	-0.02	C.	5 53 26.3	24.1	-2.2	..	..	..
25.0	S.	.	13 30 46.19	46.18	+0.01	0.36	0.37	-0.01	C.	8 52 46.9	46.3	-0.6	..	..	..
30.1	S.	.	13 53 53.26	53.27	-0.01	0.43	0.38	+0.05	C.	11 17 7.8	6.4	-1.4	..	..	..
Oct. 6.1	K.	.	14 22 7.15	7.09	+0.06	0.47	0.39	+0.08	C.	14 1 47.6	46.5	-1.1	..	..	..
7.1	S.	.	14 26 52.91	52.92	-0.01	0.37	0.39	-0.02	C.	14 28 8.3	7.9	-0.4	..	..	..
9.1	K.	.	14 36 27.88	27.87	+0.01	0.40	0.39	+0.01	C.	15 19 49.4	47.3	-2.1	..	..	..
15.1	S.	.	15 5 40.15	40.14	+0.01	0.44	0.41	+0.03	C.	17 45 24.2	22.4	-1.8	..	..	..
16.1	K.	.	15 10 36.30	36.33	-0.03	0.37	0.41	-0.04	C.	18 8 10.5	7.8	-2.7	..	..	..
20.1	K.	.	15 30 33.20	33.22	-0.02	0.36	0.42	-0.06	C.	19 34 25.8	22.6	-3.2	..	..	..
21.1	P.	.	15 35 35.57	35.50	+0.07	0.39	0.42	-0.03	C.	19 54 42.7	41.0	-1.7	..	..	..
22.1	S.	.	15 40 38.79	38.99	-0.20	0.42	0.42	0.00	C.	20 14 30.0	27.4	-2.6	..	..	..
24.1	P.	.	15 50 49.63	49.60	+0.03	0.49	0.42	+0.07	C.	20 52 23.8	22.5	-1.3	..	..	..
26.1	S.	.	16 1 4.91	5.00	-0.09	0.46	0.43	+0.03	C.	21 28 3.6	2.2	-1.4	..	..	..
27.1	K.	.	16 6 14.53	14.46	+0.07	0.35	0.43	-0.08	C.	21 44 60.3	59.5	-0.8	..	..	..
31.1	P.	.	16 27 3.60	3.53	+0.07	0.49	0.44	+0.05	C.	22 46 43.9	43.1	-0.8	..	..	..
Nov. 2.1	B.	I	16 37 34.41	34.40	+0.01	..	..	..	.	..	..	..	..	..	..
6.1	La.	.	16 58 47.38	47.33	+0.05	0.50	0.46	+0.04	C.	-23 59 53.3	52.4	-0.9	..	..	..

V E N U S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1896.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Nov. 7.1	P.	I	17 4 7.67	7.60	+0.07	.	.	.	C.	24 9 41.4	40.6	-0.8	.	.	.
9.1	La.	.	17 14 50.36	50.21	+0.15	0.49	0.46	+0.03	C.	24 27 9.4	10.0	+0.6	.	.	.
13.1	K.	.	17 36 22.16	22.05	+0.11	0.48	0.47	+0.01	C.	24 53 30.4	29.6	-0.8	.	.	.
14.1	B.	.	.	.	.	.	.	.	C.	24 58 14.8	14.5	-0.3	.	.	.
16.1	La.	.	17 52 34.66	34.66	0.00	0.46	0.48	-0.02	C.	25 5 31.0	30.6	-0.4	.	.	.
17.1	K.	.	17 57 59.21	59.22	-0.01	0.51	0.48	+0.03	C.	25 8 2.4	1.5	-0.9	.	.	.
18.1	P.	I	18 3 23.86	23.83	+0.03	.	.	.	C.	.	.	.	.	.	.
23.1	B.	I	18 30 25.36	25.34	+0.02	.	.	.	C.	25 7 21.7	20.8	-0.9	.	.	.
24.1	S.	.	18 35 48.99	48.87	+0.12	0.44	0.50	-0.06	C.	25 4 39.3	36.4	-2.9	.	.	.
25.1	P.	I	18 41 12.10	11.98	+0.12	.	.	.	C.	25 1 7.8	7.1	-0.7	.	.	.
Dec. 3.1	S.	.	19 23 53.83	53.86	-0.03	0.57	0.51	+0.06	C.	24 6 43.8	43.5	-0.3	.	.	.
5.1	P.	I	19 34 25.73	25.63	+0.10	.	.	.	C.	23 45 58.7	57.6	-1.1	.	.	.
7.1	La.	.	19 44 53.13	52.99	+0.14	0.52	0.52	0.00	C.	23 22 27.2	26.6	-0.6	.	.	.
8.1	S.	.	19 50 4.80	4.87	-0.07	0.49	0.52	-0.03	C.	23 9 40.0	40.4	+0.4	.	.	.
9.1	La.	.	19 55 15.53	15.48	+0.05	0.63	0.53	+0.10	C.	22 56 14.7	14.5	-0.2	.	.	.
10.1	P.	I	20 0 24.82	24.78	+0.04	.	.	.	C.	22 42 9.3	9.4	+0.1	.	.	.
11.1	K.	.	20 5 32.78	32.73	+0.05	0.62	0.53	+0.09	C.	22 27 26.0	25.9	-0.1	.	.	.
14.1	La.	.	20 20 48.15	48.08	+0.07	0.51	0.54	-0.03	C.	21 39 32.1	30.6	-1.5	.	.	.
17.1	P.	I	20 35 50.12	49.97	+0.15	.	.	.	C.	20 46 14.3	13.2	-1.1	.	.	.
23.1	K.	.	21 5 11.05	11.09	-0.04	0.59	0.55	+0.04	C.	18 44 46.3	47.6	+1.3	.	.	.
24.1	B.	.	21 9 58.79	58.93	-0.14	0.62	0.56	+0.06	C.	18 22 47.6	46.6	-1.0	.	.	.
28.1	B.	.	21 28 53.92	54.01	-0.09	0.58	0.57	+0.01	C.	16 50 5.2	5.1	-0.1	.	.	.
30.1	B.	I	21 38 11.60	11.79	-0.19	.	.	.	C.	16 1 11.3	8.8	-2.5	.	.	.
1897.															
Jan. 2.1	P.	I	21 51 56.48	56.42	+0.06	.	.	.	C.	14 44 47.7	47.5	-0.2	.	.	.
7.1	B.	I	22 14 19.06	19.16	-0.10	.	.	.	C.	12 30 35.9	35.7	-0.2	.	.	.
8.1	S.	I	22 18 43.04	43.06	-0.02	.	.	.	S.	12 2 50.1	50.1	0.0	.	.	.
9.1	La.	.	22 23 5.34	5.43	-0.09	0.55	0.60	-0.05	C.	11 34 47.9	48.2	+0.3	.	.	.
11.1	La.	.	22 31 45.66	45.67	-0.01	0.61	0.60	+0.01	C.	10 37 59.6	58.4	-1.2	.	.	.
19.1	S.	I	23 5 28.80	28.81	-0.01	.	.	.	S.	6 42 22.3	21.0	-1.3	.	.	.
21.1	B.	I	23 13 40.75	40.91	-0.16	.	.	.	S.	5 41 52.6	52.8	+0.2	.	.	.
22.1	K.	I	23 17 44.97	45.01	-0.04	.	.	.	S.	5 11 30.1	28.6	-1.5	.	.	.
23.1	S.	I	23 21 47.65	47.85	-0.20	.	.	.	S.	4 40 59.4	58.6	-0.8	.	.	.
25.1	S.	I	23 29 49.72	49.81	-0.09	.	.	.	S.	3 39 43.6	44.5	+0.9	.	.	.
26.1	K.	I	23 33 48.90	48.95	-0.05	.	.	.	S.	3 9 2.8	1.6	-1.2	.	.	.
29.1	K.	I	23 45 39.12	39.27	-0.15	.	.	.	S.	1 36 40.2	38.4	-1.8	.	.	.
30.1	P.	I	23 49 33.73	33.70	+0.03	.	.	.	S.	- 1 5 48.2	48.3	+0.1	.	.	.
Feb. 4.1	B.	I	0 8 48.61	48.71	-0.10	.	.	.	S.	+ 1 28 7.6	8.2	-0.6	.	.	.
13.1	P.	I	0 42 14.60	14.63	-0.03	.	.	.	S.	6 0 24.6	24.5	+0.1	.	.	.
16.1	K.	I	0 53 0.97	1.07	-0.10	.	.	.	S.	7 28 34.6	34.4	+0.2	.	.	.
19.1	K.	I	1 3 35.23	35.40	-0.17	.	.	.	S.	8 54 55.4	56.2	-0.8	.	.	.
23.1	S.	I	1 17 20.59	20.67	-0.08	.	.	.	S.	10 46 45.9	46.8	-0.9	.	.	.
24.1	La.	I	1 20 42.71	43.05	-0.34	.	.	.	S.	11 14 4.0	4.9	-0.9	.	.	.
27.1	La.	I	1 30 39.64	39.79	-0.15	.	.	.	S.	12 34 14.1	13.7	+0.4	.	.	.
Mar. 2.1	S.	I	1 40 19.40	19.47	-0.07	.	.	.	S.	13 51 30.5	30.4	+0.1	.	.	.
8.1	B.	I	1 58 37.11	37.20	-0.09	.	.	.	S.	16 16 11.6	10.8	+0.8	.	.	.
10.1	La.	I	2 4 21.05	21.28	-0.23	.	.	.	S.	17 1 5.8	6.7	-0.9	.	.	.
11.1	B.	I	2 7 8.44	8.56	-0.12	.	.	.	S.	17 22 55.5	54.1	+1.4	.	.	.
13.1	La.	I	2 12 32.63	32.79	-0.16	.	.	.	S.	18 5 4.1	3.8	+0.3	.	.	.
16.1	K.	I	2 20 10.51	10.65	-0.14	.	.	.	S.	19 4 32.8	32.7	+0.1	.	.	.
22.1	B.	I	2 33 23.66	23.88	-0.22	.	.	.	S.	20 48 30.4	30.6	-0.2	.	.	.
24.1	S.	I	2 37 5.47	5.58	-0.11	.	.	.	S.	21 18 13.3	13.6	-0.3	.	.	.
25.1	La.	I	2 38 47.26	47.36	-0.10	.	.	.	S.	21 32 5.0	4.1	+0.9	.	.	.
26.1	K.	I	2 40 22.63	22.74	-0.11	.	.	.	S.	21 45 12.1	12.3	-0.2	.	.	.
27.1	La.	I	2 41 51.33	51.46	-0.13	.	.	.	S.	21 57 37.4	36.9	+0.5	.	.	.
31.1	La.	I	2 46 34.51	34.65	-0.14	.	.	.	S.	22 39 26.7	26.8	-0.1	.	.	.
Apr. 1.1	B.	I	2 47 26.02	26.19	-0.17	.	.	.	S.	22 47 48.7	48.2	+0.5	.	.	.
3.1	S.	I	2 48 44.25	44.40	-0.15	.	.	.	S.	23 1 46.5	46.4	+0.1	.	.	.
5.1	Br.	I	2 49 27.55	27.83	-0.28	.	.	.	S.	23 11 49.9	51.5	-1.6	.	.	.
10.1	La.	I	2 48 34.79	34.94	-0.15	.	.	.	S.	23 18 4.8	3.8	+1.0	.	.	.
12.1	Br.	I	.	.	.	.	.	.	S.	23 12 8.8	8.4	+0.4	.	.	.
13.1	K.	I	2 46 9.77	9.74	+0.03	.	.	.	S.	23 7 13.3	14.8	-1.5	.	.	.
15.0	B.	I	2 43 47.23	47.18	+0.05	.	.	.	S.	22 53 27.1	27.8	-0.7	.	.	.
16.0	K.	I	2 42 23.01	22.99	+0.02	.	.	.	S.	22 44 30.9	32.0	-1.1	.	.	.
19.0	Br.	I	2 37 24.01	23.96	+0.05	.	.	.	S.	22 9 31.4	32.9	-1.5	.	.	.
20.0	B.	I	2 35 30.56	30.75	-0.19	.	.	.	S.	21 55 11.3	12.0	-0.7	.	.	.
21.0	S.	I	2 33 31.80	31.90	-0.10	.	.	.	S.	21 39 30.9	33.4	-2.5	.	.	.
22.0	B.	I	2 31 28.22	28.16	+0.06	.	.	.	S.	+21 22 41.3	39.9	+1.4	.	.	.

VENUS—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1897.															
Apr. 23.0	K.	I	2 29 20.35	20.37	-0.02	..	..	..	S.	+21 4 33.7	34.9	-1.2	..	..	..
24.0	La.	I	2 27 9.45	9.39	+0.06	..	..	..	S.	20 45 22.0	22.5	-0.5	..	..	..
29.0	B.	II	2 15 58.55	58.52	+0.03	..	..	..	S.	18 55 44.5	46.8	-2.3	..	..	..
May 4.0	K.	II	2 5 42.83	42.76	+0.07	..	..	..	..	..	..	..	..	..	..
6.0	B.	II	2 2 13.76	13.81	-0.05	..	..	..	N.	16 6 8.3	10.4	-2.1	..	..	..
7.0	K.	II	2 0 39.82	39.78	+0.04	..	..	..	N.	15 42 40.3	39.2	+1.1	..	..	..
8.0	La.	II	1 59 13.50	13.33	+0.17	..	..	..	N.	15 19 39.9	40.5	-0.6	..	..	..
16.9	Br.	II	1 52 38.18	38.18	0.00	..	..	..	N.	12 30 59.5	61.5	-2.0	..	..	..
17.9	K.	II	1 52 38.60	38.53	+0.07	..	..	..	N.	12 17 29.9	31.2	-1.3	..	..	..
18.9	S.	II	1 52 47.48	47.56	-0.08	..	..	..	N.	12 5 7.8	9.5	-1.7	..	..	..
19.9	B.	II	1 53 5.15	5.13	+0.02	..	..	..	N.	11 53 54.8	56.5	-1.7	..	..	..
21.9	La.	II	1 54 5.44	5.23	+0.21	..	..	..	N.	11 34 54.5	54.7	-0.2	..	..	..
24.9	K.	II	1 56 34.81	34.71	+0.10	..	..	..	N.	11 14 38.7	39.7	-1.0	..	..	..
25.9	S.	II	1 57 39.53	39.47	+0.06	..	..	..	N.	11 9 59.7	62.1	-2.4	..	..	..
26.9	La.	II	1 58 51.32	51.31	+0.01	..	..	..	N.	11 6 24.7	25.5	-0.8	..	..	..
27.9	K.	II	2 0 10.10	10.00	+0.10	..	..	..	N.	11 3 46.3	48.1	-1.8	..	..	..
28.9	La.	II	2 1 35.29	35.31	-0.02	..	..	..	N.	11 2 7.1	8.1	-1.0	..	..	..
June 1.9	S.	II	2 8 18.21	18.19	+0.02	..	..	..	N.	11 4 19.1	20.4	-1.3	..	..	..
10.9	B.	II	2 28 32.50	32.29	+0.21	..	..	..	N.	11 52 13.9	13.7	+0.2	..	..	..
13.9	K.	II	2 36 36.23	36.16	+0.07	..	..	..	N.	12 18 21.4	21.0	+0.4	..	..	..
14.9	Br.	II	2 39 25.05	25.12	-0.07	..	..	..	N.	12 27 55.9	55.7	+0.2	..	..	..
20.9	Br.	II	2 57 32.35	32.31	+0.04	..	..	..	N.	13 32 36.0	36.5	-0.5	..	..	..
22.9	S.	II	3 4 0.53	0.47	+0.06	..	..	..	..	..	..	..	..	..	..
23.9	B.	II	3 7 19.11	18.99	+0.12	..	..	..	N.	14 8 24.9	24.4	+0.5	..	..	..
24.9	K.	II	3 10 40.44	40.37	+0.07	..	..	..	N.	14 20 42.2	41.2	+1.0	..	..	..
29.9	S.	II	3 28 7.80	7.77	+0.03	..	..	..	N.	15 23 38.8	40.2	-1.4	..	..	..
July 1.9	K.	II	3 35 24.68	24.49	+0.19	..	..	..	N.	15 49 14.5	12.5	+2.0	..	..	..
2.9	La.	II	3 39 6.60	6.44	+0.16	..	..	..	N.	16 1 59.5	58.3	+1.2	..	..	..
5.9	L.	II	3 50 26.26	26.16	+0.10	..	..	..	N.	16 40 1.1	0.8	+0.3	..	..	..
8.9	K.	II	4 2 5.96	5.86	+0.10	..	..	..	N.	17 17 19.2	18.3	+0.9	..	..	..
9.9	La.	II	4 6 3.47	3.38	+0.09	..	..	..	N.	17 29 30.3	29.3	+1.0	..	..	..
11.9	Br.	..	..	..	..	..	..	..	N.	17 53 22.7	23.1	-0.4	..	..	..
13.9	K.	II	4 22 14.12	14.06	+0.06	..	..	..	N.	18 16 34.6	32.9	+1.7	..	..	..
14.9	La.	II	4 26 21.81	21.74	+0.07	..	..	..	N.	18 27 50.1	48.9	+1.2	..	..	..
21.9	L.	II	4 56 7.78	7.74	+0.04	..	..	..	N.	19 39 22.6	21.3	+1.3	..	..	..
22.9	K.	II	5 0 30.01	29.91	+0.10	..	..	..	N.	19 48 22.5	21.4	+1.1	..	..	..
25.9	Br.	II	5 13 45.94	46.10	-0.16	..	..	..	N.	20 13 14.0	14.3	-0.3	..	..	..
28.9	B.	II	5 27 15.98	15.81	+0.17	..	..	..	N.	20 34 39.4	40.4	-1.0	..	..	..
29.9	K.	II	5 31 48.62	48.52	+0.10	..	..	..	N.	20 41 1.6	0.0	+1.6	..	..	..
30.9	La.	II	5 36 22.67	22.57	+0.10	..	..	..	S.	20 46 54.0	54.0	0.0	..	..	..
Aug. 1.9	Br.	II	5 45 34.36	34.44	-0.08	..	..	..	N.	20 57 23.7	22.8	+0.9	..	..	..
2.9	L.	II	5 50 12.39	12.26	+0.13	..	..	..	N.	21 1 57.7	56.5	+1.2	..	..	..
5.9	K.	II	6 4 12.37	12.34	+0.03	..	..	..	N.	21 12 49.5	48.2	+1.3	..	..	..
6.9	La.	II	6 8 54.51	54.47	+0.04	..	..	..	..	21 15 28.6	27.3	+1.3	9.2	9.0	+0.2
8.9	Br.	II	6 18 21.49	21.60	-0.11	..	..	..	N.	21 19 17.9	15.7	+2.2	..	..	..
9.9	L.	II	6 23 6.58	6.52	+0.06	..	..	..	C.	21 20 24.2	24.1	+0.1	..	..	..
10.9	La.	II	6 27 52.40	52.28	+0.12	..	..	..	..	21 21 2.2	1.4	+0.8	9.4	8.7	+0.7
11.9	B.	II	6 32 38.88	38.85	+0.03	..	..	..	..	21 21 12.4	7.3	+5.1	9.0	8.7	+0.3
12.9	K.	II	6 37 26.30	26.18	+0.12	..	..	..	C.	21 20 41.8	41.4	+0.4	..	..	..
13.9	La.	II	6 42 14.27	14.22	+0.05	..	..	..	..	21 19 45.2	43.4	+1.8	8.4	8.6	-0.2
15.9	Br.	II	6 51 52.17	52.20	-0.03	..	..	..	..	21 16 10.6	10.0	+0.6	8.2	8.4	-0.2
16.9	L.	..	..	..	..	..	..	..	C.	21 13 34.5	34.1	+0.4	..	..	..
17.9	La.	II	7 1 32.34	32.40	-0.06	..	..	..	..	..	..	..	..	..	..
19.9	K.	II	7 11 14.59	14.45	+0.14	..	..	..	C.	21 2 29.0	27.2	+1.8	..	..	..
23.9	L.	II	7 30 42.34	42.30	+0.04	..	..	..	C.	20 39 49.9	49.3	+0.6	..	..	..
24.9	La.	II	7 35 34.81	34.75	+0.06	..	..	..	..	20 32 47.0	45.8	+1.2	8.3	7.9	+0.4
25.9	B.	II	7 40 27.40	27.30	+0.10	..	..	..	C.	20 25 9.9	8.7	+1.2	..	..	..
27.9	B.	II	7 50 12.56	12.49	+0.07	..	..	..	C.	20 8 16.0	14.0	+2.0	..	..	..
30.9	L.	..	8 4 49.96	49.83	+0.13	0.53	0.54	-0.01	..	19 38 43.2	42.4	+0.8	7.0	7.6	-0.6
Sept. 1.9	B.	..	..	..	..	..	..	..	..	19 16 17.4	17.1	+0.3	8.0	7.5	+0.5
2.9	S.	..	8 19 25.69	25.70	-0.01	0.57	0.53	+0.04	..	19 4 15.3	15.7	-0.4	7.3	7.5	-0.2
3.9	La.	..	8 24 17.18	17.15	+0.03	0.57	0.53	+0.04	..	18 51 43.6	42.2	+1.4	8.0	7.4	+0.6
6.9	L.	..	8 38 49.66	49.59	+0.07	0.56	0.51	+0.05	..	18 10 52.8	51.3	+1.5	7.4	7.3	+0.1
7.9	S.	..	8 43 39.71	39.68	+0.03	0.52	0.51	+0.01	..	..	..	..	..	..	..
8.9	B.	..	8 48 29.35	29.36	-0.01	0.60	0.51	+0.09	..	17 41 6.7	1.8	+4.9	7.8	7.3	+0.5
9.9	L.	..	8 53 18.53	18.62	-0.09	0.57	0.50	+0.07	..	17 25 21.4	21.5	-0.1	6.9	7.2	-0.3
10.9	La.	..	8 58 7.46	7.43	+0.03	0.42	0.50	-0.08	..	17 9 12.8	11.2	+1.6	6.9	7.2	-0.3
15.9	B.	..	9 22 4.33	4.32	+0.01	0.58	0.48	+0.10	..	15 41 6.4	4.1	+2.3	7.7	7.0	+0.7
20.9	K.	..	9 45 48.16	48.11	+0.05	0.50	0.47	+0.03	..	+14 1 36.1	35.2	+0.9	7.6	6.8	+0.8

V E N U S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Sept. 21.9	S.	.	9 50 31.18	31.20	-0.02	0.52	0.46	+0.06	.	+13 40 25.8	25.2	+0.6	7.3	6.8	+0.5
23.9	K.	.	9 59 55.75	55.67	+0.08	0.52	0.46	+0.06	.	12 56 54.8	53.6	+1.2	7.4	6.7	+0.7
24.9	La.	.	10 4 37.08	37.07	+0.01	0.58	0.46	+0.12	.	12 34 33.8	33.2	+0.6	8.1	6.7	+1.4
26.9	L.	.	10 13 58.21	58.18	+0.03	0.62	0.45	+0.17	.	11 48 45.3	46.0	-0.7	6.9	6.6	+0.3
27.9	B.	.	10 18 37.91	37.92	-0.01	0.62	0.45	+0.17	.	11 25 20.3	20.7	-0.4	8.6	6.6	+2.0
28.9	S.	.	10 23 17.16	17.12	+0.04	0.44	0.45	-0.01	.	11 1 34.6	35.0	-0.4	7.4	6.5	+0.9
29.9	L.	.	10 27 55.78	55.78	0.00	0.57	0.44	+0.13	.	10 37 28.8	29.4	-0.6	7.1	6.5	+0.6
30.9	K.	.	10 32 34.03	33.93	+0.10	0.42	0.44	-0.02	.	10 13 4.3	4.7	-0.4	7.1	6.5	+0.6
Oct. 3.9	K.	.	10 46 25.51	25.43	+0.08	0.54	0.43	+0.11	.	8 58 1.8	1.8	0.0	7.2	6.4	+0.8
4.9	L.	.	10 51 1.65	1.69	-0.04	0.59	0.43	+0.16	.	8 32 26.6	26.7	-0.1	6.7	6.4	+0.3
7.9	K.	.	11 4 48.12	48.03	+0.09	0.52	0.42	+0.10	.	7 14 8.4	8.2	+0.2	7.6	6.3	+1.3
8.9	La.	.	11 9 22.80	22.74	+0.06	0.42	0.42	0.00	.	6 47 33.1	33.2	-0.1	6.7	6.3	+0.4
12.9	S.	.	11 27 38.77	38.70	+0.07	0.44	0.41	+0.03	.	4 59 4.9	5.9	-1.0	6.0	6.2	-0.2
13.9	L.	.	11 32 12.11	12.10	+0.01	0.50	0.41	+0.09	.	4 31 30.5	30.6	-0.1	5.5	6.2	-0.7
14.9	K.	.	11 36 45.41	45.33	+0.08	0.39	0.41	-0.02	.	+ 4 3 44.5	45.4	-0.9	7.1	6.2	+0.9
15.9	B.	.	11 41 18.55	18.42	+0.13	0.50	0.41	+0.09	.	.	.	.	.	.	.
Nov. 2.9	S.	.	13 3 25.71	25.70	+0.01	0.46	0.39	+0.07	.	- 4 59 10.0	9.5	-0.5	5.8	5.8	0.0
3.9	L.	.	13 8 2.31	2.21	+0.10	0.58	0.39	+0.19	.	5 27 41.2	41.3	+0.1	6.4	5.8	+0.6
5.9	La.	.	13 17 16.93	16.86	+0.07	0.43	0.38	+0.05	.	6 24 28.4	27.8	-0.6	7.2	5.7	+1.5
12.9	Po.	.	.	.	.	.	.	.	.	9 38 51.9	50.4	-1.5	5.8	5.6	+0.2
14.9	K.	.	13 59 27.07	26.97	+0.10	0.44	0.38	+0.06	.	10 32 43.6	42.8	-0.8	6.0	5.6	+0.4
15.9	La.	.	14 4 12.29	12.23	+0.06	0.36	0.38	-0.02	.	10 59 18.5	18.4	-0.1	5.0	5.6	-0.6
17.9	L.	.	14 13 45.70	45.59	+0.11	0.44	0.38	+0.06	C.	11 51 45.6	44.3	-1.3	.	.	.
18.9	K.	.	14 18 33.83	33.77	+0.06	0.42	0.38	+0.04	.	12 17 34.1	32.8	-1.3	5.9	5.5	+0.4
19.9	Br.	.	14 23 22.91	22.97	-0.06	0.33	0.38	-0.05	C.	12 43 5.3	4.5	-0.8	.	.	.
22.9	B.	.	14 37 57.00	56.92	+0.08	0.56	0.38	+0.18	C.	13 57 46.9	47.4	+0.5	.	.	.
23.9	S.	.	14 42 50.46	50.42	+0.04	0.40	0.38	+0.02	.	14 22 3.1	1.7	-1.4	6.0	5.5	+0.5
26.9	Po.	.	14 57 37.80	37.61	+0.19	0.45	0.38	+0.07	.	15 32 33.5	33.3	-0.2	5.9	5.4	+0.5
30.9	S.	.	15 17 36.86	36.76	+0.10	0.41	0.38	+0.03	.	17 0 60.9	59.0	-1.9	5.0	5.4	-0.4
Dec. 1.9	L.	.	15 22 39.55	39.49	+0.06	0.43	0.38	+0.05	C.	17 22 1.8	0.2	-1.6	.	.	.
5.9	L.	.	15 43 2.43	2.39	+0.04	0.47	0.37	+0.10	.	18 41 21.2	20.6	-0.6	5.4	5.3	+0.1
6.9	Br.	.	15 48 11.07	11.09	-0.02	0.43	0.37	+0.06	C.	18 59 55.2	55.8	+0.6	.	.	.
7.9	S.	.	15 53 20.92	20.97	-0.05	0.31	0.37	-0.06	.	19 17 60.0	59.6	-0.4	5.0	5.3	-0.3
8.9	L.	.	15 58 32.09	32.02	+0.07	0.47	0.37	+0.10	.	19 35 32.5	31.3	-1.2	5.4	5.3	+0.1
16.0	Br.	.	16 35 20.87	20.97	-0.10	0.40	0.37	+0.03	.	.	.	.	.	.	.
18.0	B.	.	16 46 1.45	1.52	-0.07	0.48	0.37	+0.11	.	21 47 18.4	17.4	-1.0	6.0	5.2	+0.8
24.0	K.	C.	17 18 24.08	24.02	+0.06	.	.	.	C.	22 46 42.7	40.8	-1.9	.	.	.
27.0	L.	.	17 34 44.64	44.61	+0.03	0.40	0.37	+0.03	C.	23 7 10.9	8.8	-2.1	.	.	.
28.0	La.	.	17 40 12.46	12.48	-0.02	0.37	0.37	0.00	C.	23 12 34.8	33.7	-1.1	.	.	.
29.0	S.	.	17 45 40.80	40.76	+0.04	0.43	0.37	+0.06	C.	23 17 16.3	15.9	-0.4	.	.	.
30.0	L.	.	17 51 9.49	9.40	+0.09	0.52	0.37	+0.15	.	23 21 15.4	15.2	-0.2	6.8	5.1	+1.7
1898.															
Jan. 4.0	Br.	.	.	.	.	.	.	.	C.	23 30 20.4	20.4	0.0	.	.	.
5.0	S.	.	18 24 5.33	5.27	+0.06	0.38	0.37	+0.01	C.	23 29 58.9	58.5	-0.4	.	.	.
7.0	K.	C.	18 35 4.09	3.97	+0.12	.	.	.	C.	23 27 5.0	3.6	-1.4	.	.	.
8.0	Po.	.	18 40 33.16	33.07	+0.09	0.25	0.37	-0.12	.	23 24 30.4	30.6	+0.2	3.8	5.1	-1.3
13.0	L.	.	19 7 53.69	53.62	+0.07	0.49	0.37	+0.12	C.	23 0 56.9	54.7	-2.2	.	.	.
17.0	Br.	.	.	.	.	.	.	.	C.	22 29 13.5	13.4	-0.1	.	.	.
18.0	L.	.	19 35 0.69	0.70	-0.01	0.48	0.36	+0.12	.	22 19 34.6	33.8	-0.8	5.6	5.0	+0.6
24.0	K.	.	20 7 6.44	6.33	+0.11	0.41	0.36	+0.05	C.	21 7 32.7	33.4	+0.7	.	.	.
26.0	S.	.	20 17 40.18	40.19	-0.01	0.41	0.36	+0.05	C.	20 38 23.7	24.5	+0.8	.	.	.
27.0	B.	.	20 22 55.45	55.48	-0.03	0.52	0.36	+0.16	C.	20 22 55.3	54.6	-0.7	.	.	.
Feb. 4.0	K.	.	.	.	.	.	.	.	C.	17 58 12.2	11.8	-0.4	.	.	.
7.0	K.	.	21 19 24.68	24.69	-0.01	0.44	0.35	+0.09	C.	16 55 11.3	10.6	-0.7	.	.	.
24.0	L.	.	22 42 0.82	0.71	+0.11	0.41	0.34	+0.07	.	9 47 12.2	10.9	-1.3	5.9	5.0	+0.9
28.0	L.	.	23 0 44.64	44.54	+0.10	0.44	0.34	+0.10	C.	7 53 18.8	17.7	-1.1	.	.	.
Mar. 1.0	Br.	C.	23 5 23.46	23.51	-0.05	.	.	.	C.	7 24 16.2	16.4	+0.2	.	.	.
3.0	L.	.	23 14 39.37	39.32	+0.05	0.38	0.33	+0.05	C.	6 25 41.4	39.9	-1.5	.	.	.
5.0	Po.	.	23 23 52.73	52.55	+0.18	0.37	0.33	+0.04	C.	5 26 22.5	22.8	+0.3	.	.	.
8.0	La.	.	23 37 38.27	38.25	+0.02	0.36	0.33	+0.03	C.	3 56 24.2	23.8	-0.4	.	.	.
9.0	S.	.	23 42 12.56	12.55	+0.01	0.31	0.33	-0.02	C.	3 26 10.5	10.1	-0.4	.	.	.
14.0	L.	.	0 4 58.98	59.02	-0.04	0.40	0.33	+0.07	C.	0 53 50.9	49.8	-1.1	.	.	.
15.0	Br.	.	0 9 31.54	31.61	-0.07	0.32	0.33	-0.01	C.	- 0 23 13.3	12.5	-0.8	.	.	.
25.0	K.	.	0 54 57.14	57.20	-0.06	0.42	0.34	+0.08	C.	+ 4 42 14.9	15.2	-0.3	.	.	.
Apr. 1.0	K.	.	1 26 59.19	59.21	-0.02	0.47	0.34	+0.13	C.	8 10 50.8	49.8	+1.0	.	.	.
2.0	Po.	.	1 31 35.80	35.68	+0.12	0.41	0.35	+0.06	C.	+ 8 39 58.5	58.7	-0.2	.	.	.

V E N U S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Apr. 6.0	S.	.	1 50 7.77	7.83	-0.06	0.40	0.35	+0.05	C.	+10 34 29.1	28.0	+1.1	..	..	..
8.0	K.	.	..	..	..	..	..	..	C.	11 30 15.8	16.3	-0.5	..	..	..
12.0	Po.	.	2 18 18.75	18.76	-0.01	0.37	0.36	+0.01	C.	13 18 30.5	31.0	-0.5	..	..	..
13.0	S.	.	2 23 3.56	3.66	-0.10	0.32	0.36	-0.04	C.	13 44 46.6	48.3	-1.7	..	..	..
16.0	Br.	.	2 37 24.15	24.22	-0.07	0.34	0.36	-0.02	C.	15 1 37.7	36.4	+1.3	..	..	..
20.0	B.	.	2 56 45.93	45.93	0.00	0.42	0.37	+0.05	C.	16 38 45.6	44.6	+1.0	..	..	..
21.0	L.	.	3 1 39.02	39.03	-0.01	0.40	0.37	+0.03	C.	17 1 59.2	60.0	-0.8	..	..	..
30.0	Po.	.	3 46 26.28	26.24	+0.04	0.43	0.38	+0.05	C.	20 10 16.0	15.3	+0.7	..	..	..
May 3.1	La.	.	4 1 41.47	41.51	-0.04	0.34	0.39	-0.05	C.	21 3 42.8	39.7	+3.1	..	..	..
9.1	Br.	.	4 32 39.13	39.27	-0.14	0.41	0.40	+0.01	.	22 34 43.5	42.3	+1.2	5.7	5.5	+0.2
10.1	L.	.	4 37 52.08	52.14	-0.06	0.37	0.40	-0.03	C.	22 47 43.2	43.1	+0.1	..	..	..
12.1	L.	.	4 48 20.38	20.40	-0.02	0.44	0.40	+0.04	C.	23 11 48.0	49.0	-1.0	..	..	..
13.1	K.	.	4 53 35.78	35.72	+0.06	0.42	0.40	+0.02	C.	23 22 53.7	52.9	+0.8	..	..	..
14.1	Po.	.	4 56 51.66	51.76	-0.10	0.46	0.40	+0.06	C.	23 33 18.5	16.9	+1.6	..	..	..
17.1	La.	.	5 14 43.69	43.78	-0.09	0.46	0.41	+0.05	C.	24 0 26.5	25.3	+1.2	..	..	..
18.1	S.	.	5 20 2.19	2.25	-0.06	0.44	0.41	+0.03	C.	24 8 5.9	5.6	+0.3	..	..	..
19.1	L.	.	5 25 21.19	21.18	+0.01	0.39	0.41	-0.02	.	24 15 4.9	4.1	+0.8	5.2	5.6	-0.4
20.1	Po.	.	5 30 40.52	40.53	-0.01	0.40	0.41	-0.01	C.	24 21 20.3	20.4	-0.1	..	..	..
24.1	Br.	.	5 52 0.90	0.95	-0.05	0.42	0.42	0.00	C.	24 39 20.6	20.3	+0.3	6.2	5.7	+0.5
27.1	B.	I	6 8 2.44	2.56	-0.12	..	..	..	C.	24 45 19.0	18.1	+0.9	..	..	..
28.1	Po.	.	6 13 22.90	23.00	-0.10	0.35	0.42	-0.07	C.	24 45 51.9	51.1	+0.8	..	..	..
31.1	La.	.	6 29 23.04	23.10	-0.06	0.47	0.43	+0.04	C.	24 43 11.2	10.2	+1.0	..	..	..
June 1.1	S.	.	6 34 42.44	42.50	-0.06	0.43	0.43	0.00	.	24 40 50.4	50.2	+0.2	5.6	5.8	-0.2
3.1	La.	.	6 45 20.02	20.01	+0.01	0.44	0.43	+0.01	C.	24 34 2.6	1.3	+1.3	..	..	..
6.1	L.	.	7 1 12.11	12.12	-0.01	0.54	0.44	+0.10	.	24 18 30.2	29.0	+1.2	6.2	6.0	+0.2
7.1	Br.	.	7 6 28.04	28.15	-0.11	0.43	0.44	-0.01	C.	24 11 54.4	54.0	+0.4	..	..	..
8.1	S.	.	7 11 43.38	43.42	-0.04	0.43	0.44	-0.01	.	24 4 37.3	37.3	0.0	5.4	6.0	-0.6
9.1	L.	.	7 16 57.93	57.89	+0.04	0.46	0.44	+0.02	.	23 56 39.4	39.1	+0.3	5.2	6.0	-0.8
10.1	B.	.	7 22 11.50	11.50	0.00	0.47	0.44	+0.03	C.	23 48 1.6	0.0	+1.6	..	..	..
11.1	Po.	.	7 27 24.19	24.20	-0.01	0.39	0.44	-0.05	C.	23 38 40.0	40.4	-0.4	..	..	..
14.1	La.	.	7 42 56.35	56.38	-0.03	0.49	0.45	+0.04	C.	23 6 42.7	42.5	+0.2	..	..	..
20.1	Br.	.	8 13 30.19	30.19	0.00	0.35	0.45	-0.10	C.	21 45 32.6	32.7	-0.1	..	..	..
23.1	L.	.	8 28 30.10	29.95	+0.15	0.67	0.46	+0.21	C.	20 56 50.9	50.9	0.0	7.1	6.4	+0.7
24.1	K.	I	8 33 27.13	27.14	-0.01	..	..	..	C.	20 39 29.3	29.0	+0.3	..	..	..
25.1	Po.	I	8 38 22.95	22.93	+0.02	..	..	..	C.	20 21 33.7	34.0	-0.3	..	..	..
27.1	K.	I	8 48 10.24	10.23	+0.01	..	..	..	C.	19 44 7.6	8.0	-0.4	..	..	..
29.1	S.	.	8 57 51.79	51.77	+0.02	0.46	0.46	0.00	.	19 4 37.6	38.4	-0.8	6.5	6.6	-0.1
30.1	L.	.	9 2 40.33	40.34	-0.01	0.47	0.47	0.00	.	18 44 9.3	9.1	+0.2	6.3	6.6	-0.3
July 1.1	K.	I	9 7 27.45	27.44	+0.01	..	..	..	C.	18 23 10.4	11.0	-0.6	..	..	..
2.1	B.	I	9 12 12.97	13.08	-0.11	..	..	..	C.	18 1 45.3	44.8	+0.5	..	..	..
7.1	L.	.	9 35 39.51	39.50	+0.01	0.52	0.48	+0.04	.	16 7 56.3	56.7	-0.4	6.7	6.9	-0.2
8.1	K.	I	9 40 16.44	16.49	-0.05	..	..	..	C.	15 43 57.1	56.5	+0.6	..	..	..
9.1	Po.	I	9 44 51.95	52.07	-0.12	..	..	..	C.	15 19 33.4	33.2	+0.2	..	..	..
16.1	B.	I	10 16 23.49	23.47	+0.02	..	..	..	C.	12 18 58.1	58.5	-0.4	..	..	..
18.1	L.	.	10 25 12.39	12.35	+0.04	0.62	0.50	+0.12	N.	11 24 34.5	34.3	+0.2	..	..	..
20.1	S.	.	10 33 56.41	56.41	0.00	0.52	0.50	+0.02	.	10 29 4.1	5.6	-1.5	6.8	7.4	-0.6
25.1	K.	I	10 55 26.80	26.81	-0.01	..	..	..	C.	8 6 18.8	19.6	-0.8	..	..	..
28.1	L.	.	11 8 8.46	8.44	+0.02	0.53	0.52	+0.01	C.	6 38 19.9	20.7	-0.8	7.8	7.8	0.0
29.1	K.	I	11 12 20.31	20.39	-0.08	..	..	..	C.	6 8 41.4	42.0	-0.6	..	..	..
30.1	B.	I	11 16 31.45	31.42	+0.03	..	..	..	C.	5 38 54.7	54.8	-0.1	..	..	..
Aug. 2.1	Br.	I	11 28 59.19	59.27	-0.08	..	..	..	.	4 8 46.9	49.4	-2.5	8.6	8.0	+0.6
4.1	L.	.	11 37 13.87	13.82	+0.05	0.67	0.55	+0.12	.	3 8 13.5	15.2	-1.7	8.5	8.1	+0.4
16.1	Br.	I	12 25 48.69	48.79	-0.10	..	..	..	.	2 58 46.7	45.4	-1.3	8.8	8.9	-0.1
18.1	Br.	I	12 33 48.10	48.11	-0.01	..	..	..	.	3 59 45.4	45.0	-0.4	8.5	9.1	-0.6
20.1	B.	I	12 41 46.01	46.06	-0.05	..	..	..	C.	5 0 28.8	28.1	-0.7	..	..	..
21.1	Br.	I	12 45 44.56	44.58	-0.02	..	..	..	.	5 30 43.0	41.9	-1.1	8.9	9.4	-0.5
22.1	K.	I	12 49 42.81	42.82	-0.01	..	..	..	C.	6 0 51.6	49.7	-1.9	..	..	..
23.1	La.	I	12 53 40.79	40.79	0.00	..	..	..	C.	6 30 51.9	50.9	-1.0	9.2	9.5	-0.3
24.1	B.	I	12 57 38.48	38.51	-0.03	..	..	..	C.	7 0 45.8	44.8	-1.0	..	..	..
26.1	K.	I	13 5 33.27	33.27	0.00	..	..	..	C.	8 0 9.5	8.2	-1.3	..	..	..
27.1	B.	I	13 9 30.29	30.32	-0.03	..	..	..	C.	8 29 36.0	36.3	+0.3	..	..	..
30.1	Br.	I	13 21 20.23	20.27	-0.04	..	..	..	.	9 56 59.5	59.6	+0.1	10.2	10.1	+0.1
Sept. 1.1	Br.	I	13 29 12.62	12.68	-0.06	..	..	..	.	10 54 19.6	18.9	-0.7	10.4	10.2	+0.2
2.1	K.	I	13 33 8.62	8.65	-0.03	..	..	..	N.	11 22 40.8	39.8	-1.0	..	..	..
3.1	B.	I	13 37 4.39	4.46	-0.07	..	..	..	C.	11 50 48.9	47.4	-1.5	..	..	..
6.1	B.	I	13 48 50.93	51.02	-0.09	..	..	..	C.	13 13 46.3	45.0	-1.3	..	..	..
8.1	L.	I	13 56 41.27	41.36	-0.09	..	..	..	.	14 7 47.7	46.8	-0.9	11.8	11.0	+0.8
9.1	K.	I	14 0 36.24	36.30	-0.06	..	..	..	C.	-14 34 25.0	23.1	-1.9	..	..	..

V E N U S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
1898.															
Sept. 10.1	B.	I	14 4 31.09	31.08	+0.01	..	..	..	C.	-15 0 43.5	42.1	-1.4	..	..	..
12.1	L.	I	14 12 20.01	20.09	-0.08	..	..	..	C.	15 52 26.0	26.0	0.0	11.7	11.5	+0.2
13.1	K.	I	14 16 14.32	14.30	+0.02	..	..	..	C.	16 17 51.3	49.9	-1.4	..	..	..
17.1	B.	I	14 31 48.52	48.51	+0.01	..	..	..	C.	17 56 6.4	4.8	-1.6	..	..	..
19.1	K.	I	14 39 33.58	33.50	+0.08	..	..	..	C.	18 43 5.6	3.8	-1.8	..	..	..
20.1	L.	I	14 43 25.43	25.30	+0.13	..	..	..	C.	19 5 59.4	59.2	-0.2	11.3	12.5	-1.2
21.1	S.	I	14 47 16.69	16.57	+0.12	..	..	..	N.	19 28 33.9	31.4	-2.5	..	..	..
23.1	K.	I	14 54 57.30	57.27	+0.03	..	..	..	N.	20 12 26.1	23.5	-2.6	..	..	..
24.1	B.	I	14 58 46.51	46.56	-0.05	..	..	..	C.	20 33 43.4	42.5	-0.9	..	..	..
26.1	L.	I	15 6 22.66	22.66	0.00	..	..	..	N.	21 15 5.9	3.8	-2.1	..	..	..
27.1	K.	I	15 10 9.29	9.32	-0.03	..	..	..	N.	21 35 5.4	5.2	-0.2	..	..	..
28.1	S.	I	15 13 54.94	54.95	-0.01	..	..	..	N.	21 54 41.0	39.8	-1.2	..	..	..
29.1	L.	I	15 17 39.31	39.44	-0.13	..	..	..	N.	22 13 49.2	47.1	-2.1	..	..	..
30.1	K.	I	15 21 22.69	22.71	-0.02	..	..	..	N.	22 32 27.2	26.9	-0.3	..	..	..
Oct. 6.1	L.	I	15 43 10.90	10.91	-0.01	..	..	..	N.	24 14 26.7	26.2	-0.5	..	..	..
7.1	K.	I	15 46 42.70	42.67	+0.03	..	..	..	N.	24 29 43.1	43.0	-0.1	..	..	..
10.1	L.	I	15 57 4.54	4.52	+0.02	..	..	..	N.	25 12 31.9	30.4	-1.5	..	..	..
11.1	Br.	I	16 0 26.84	26.82	+0.02	..	..	..	N.	25 25 44.7	44.4	-0.3	..	..	..
12.1	S.	I	16 3 46.40	46.36	+0.04	..	..	..	N.	25 38 28.0	26.9	-1.1	..	..	..
13.1	L.	I	16 7 2.95	2.94	+0.01	..	..	..	N.	25 50 38.5	37.8	-0.7	..	..	..
15.1	B.	I	16 13 26.44	26.50	-0.06	..	..	..	C.	26 13 24.2	23.9	-0.3	..	..	..
17.1	K.	I	16 19 35.85	35.85	0.00	..	..	..	N.	26 34 0.2	0.9	+0.7	..	..	..
19.1	S.	I	16 25 29.12	29.20	-0.08	..	..	..	N.	26 52 26.2	26.9	+0.7	..	..	..
20.1	L.	I	16 28 19.32	19.28	+0.04	..	..	..	N.	27 0 51.1	50.2	-0.9	..	..	..
22.1	Br.	I	16 33 44.94	44.96	-0.02	..	..	..	N.	27 15 56.1	56.7	+0.6	19.0	19.3	-0.3
24.1	L.	I	16 38 49.43	49.50	-0.07	..	..	..	N.	27 28 47.9	48.1	+0.2	..	..	..
27.1	L.	I	16 45 41.74	41.81	-0.07	..	..	..	N.	27 43 45.0	47.2	+2.2	..	..	..
28.1	K.	I	16 47 46.14	46.22	-0.08	..	..	..	N.	27 47 37.8	36.8	-1.0	..	..	..
31.1	K.	I	16 53 16.33	16.27	+0.06	..	..	..	N.	27 55 30.5	30.4	-0.1	..	..	..
Nov. 2.1	S.	I	16 56 17.44	17.40	+0.04	..	..	..	N.	27 57 43.3	41.8	-1.5	..	..	..
3.1	L.	I	16 57 35.38	35.43	-0.05	..	..	..	N.	27 57 49.9	50.4	+0.5	..	..	..
5.1	La.	I	16 59 45.10	45.01	+0.09	..	..	..	N.	27 56 10.5	9.9	-0.6	..	..	..
7.1	L.	I	17 1 17.53	17.53	0.00	..	..	..	N.	27 51 46.9	46.9	0.0	..	..	..
8.1	Br.	I	17 1 49.33	49.28	+0.05	..	..	..	N.	27 48 31.9	32.1	+0.2	..	..	..
9.1	S.	I	17 2 11.19	11.08	+0.11	..	..	..	N.	27 44 33.2	33.9	+0.7	..	..	..
11.1	K.	I	17 2 24.21	24.13	+0.08	..	..	..	N.	27 34 23.5	22.5	-1.0	..	..	..
15.1	La.	I	17 0 45.02	44.95	+0.07	..	..	..	N.	27 4 26.3	28.9	+2.6	..	..	..
19.0	B.	I	16 56 20.06	19.94	+0.12	..	..	..	N.	26 21 1.9	1.0	-0.9	..	..	..
21.0	K.	I	16 53 9.83	9.74	+0.09	..	..	..	N.	25 54 0.1	1.1	+1.0	..	..	..
23.0	S.	I	16 49 25.82	25.98	-0.16	..	..	..	N.	25 23 32.3	33.9	+1.6	..	..	..
25.0	K.	I	16 45 14.08	14.14	-0.06	..	..	..	N.	24 49 49.7	50.9	+1.2	..	..	..
Dec. 7.0	S.	II	16 17 15.92	15.67	+0.25	..	..	..	S.	20 48 14.8	14.1	-0.7	..	..	..
8.0	L.	II	16 15 15.79	15.33	+0.46	..	..	..	S.	20 28 7.8	8.2	+0.4	..	..	..
9.0	K.	II	16 13 22.30	22.02	+0.28	..	..	..	S.	20 8 30.8	31.5	+0.7	..	..	..
10.0	B.	II	16 11 36.58	36.30	+0.28	..	..	..	S.	19 49 28.6	29.5	+0.9	..	..	..
12.9	Ei.	II	16 7 9.76	9.61	+0.15	..	..	..	S.	18 56 36.3	37.5	+1.2	..	..	..
13.9	S.	II	16 5 59.00	58.76	+0.24	..	..	..	S.	18 40 35.9	38.6	+2.7	..	..	..
14.9	L.	II	16 4 57.72	57.35	+0.37	..	..	..	S.	18 25 32.8	33.9	+1.1	..	..	..
15.9	K.	II	16 4 5.80	5.53	+0.27	..	..	..	S.	18 11 22.2	25.6	+3.4	..	..	..
22.9	K.	II	16 2 34.55	34.30	+0.25	..	..	..	S.	17 0 10.6	12.5	+1.9	..	..	..
27.9	S.	II	16 6 8.18	8.01	+0.17	..	..	..	S.	16 38 14.5	14.4	-0.1	..	..	..
29.9	B.	II	16 8 33.16	32.87	+0.29	..	..	..	S.	16 35 25.6	24.7	-0.9	..	..	..
1899.															
Jan. 6.9	Ei.	II	16 23 6.70	6.56	+0.14	..	..	..	S.	16 50 39.9	40.9	+1.0	..	..	..
7.9	Br.	II	16 25 25.05	25.13	-0.08	..	..	..	S.	16 54 55.1	56.2	+1.1	..	..	..
10.9	Br.	II	16 32 54.88	54.82	+0.06	..	..	..	S.	17 9 54.2	54.5	+0.3	..	..	..
19.9	K.	II	16 59 47.79	47.78	+0.01	..	..	..	S.	18 6 44.5	45.9	+1.4	16.5	16.7	-0.2
20.9	Br.	II	17 3 8.04	8.18	-0.14	..	..	..	S.	18 13 30.7	31.0	+0.3	16.2	16.5	-0.3
24.9	L.	II	17 17 6.51	6.29	+0.22	..	..	..	S.	18 40 6.7	6.8	+0.1	..	..	..
26.9	K.	II	17 24 25.93	25.75	+0.18	..	..	..	S.	18 52 49.2	48.8	-0.4	16.3	15.2	+1.1
29.9	La.	II	17 35 48.21	48.18	+0.03	..	..	..	S.	19 10 36.4	36.1	-0.3	..	..	..
31.9	S.	II	17 43 37.50	37.42	+0.08	..	..	..	S.	19 21 22.4	22.7	+0.3	..	..	..
Feb. 3.9	Br.	II	17 55 40.61	40.78	-0.17	..	..	..	S.	19 35 31.3	31.9	+0.6	14.4	13.6	+0.8
8.9	L.	II	18 16 32.07	31.96	+0.11	..	..	..	S.	19 52 38.3	38.9	+0.6	..	..	..
22.9	L.	II	19 18 33.92	33.82	+0.10	..	..	..	S.	19 45 27.6	25.9	-1.7	11.2	11.1	+0.1
23.9	K.	II	19 23 8.34	8.23	+0.11	..	..	..	S.	19 41 23.7	21.5	-2.2	10.8	11.0	-0.2
24.9	Ei.	II	19 27 43.55	43.42	+0.13	..	..	..	S.	19 36 47.7	46.8	-0.9	11.0	10.9	+0.1
27.9	Br.	II	19 41 33.02	33.07	-0.05	..	..	..	S.	19 19 56.8	58.2	+1.4	11.1	10.6	+0.5

V E N U S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1899.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Mar. 5.9	Ia.	II	20 9 25.15	25.07	+0.08	..	..	..	.	-18 32 24.2	23.1	-1.1	11.1	10.0	+1.1
15.9	L.	II	20 56 0.53	0.36	+0.17	..	..	..	.	16 32 22.2	21.8	-0.4	9.2	9.2	0.0
16.9	K.	II	21 0 39.16	39.01	+0.15	..	..	..	.	16 17 40.4	40.6	+0.2	8.9	9.1	-0.2
23.9	K.	II	21 33 0.01	59.89	+0.12	..	..	..	.	14 22 9.0	7.2	-1.8	9.2	8.6	+0.6
28.9	S.	.	21 55 53.61	53.66	-0.05	0.59	0.57	+0.02	.	12 46 51.6	50.7	-0.9	8.1	8.3	-0.2
31.9	B.	II	22 9 32.59	32.39	+0.20	..	..	..	C.	11 45 3.4	3.7	+0.3	..	..	..
Apr. 2.9	Ia.	II	22 18 36.02	35.83	+0.19	..	..	..	C.	11 2 6.8	6.3	-0.5	..	..	..
4.9	S.	.	22 27 37.39	37.38	+0.01	0.57	0.54	+0.03	.	10 17 49.5	49.2	-0.3	8.1	8.0	+0.1
5.9	L.	.	22 32 7.47	7.45	+0.02	0.59	0.53	+0.06	.	9 55 12.1	12.3	+0.2	7.6	7.9	-0.3
7.9	B.	.	22 41 6.27	6.21	+0.06	0.58	0.52	+0.06	C.	9 9 4.9	4.6	-0.3	..	..	..
9.9	Ia.	II	22 50 3.24	3.17	+0.07	..	..	..	C.	8 21 51.7	49.9	-1.8	..	..	..
10.9	L.	.	22 54 30.96	30.99	-0.03	0.59	0.51	+0.08	.	7 57 48.8	48.9	+0.1	6.3	7.6	-1.3
12.9	Ei.	II	23 3 25.60	25.39	+0.21	..	..	..	.	7 9 3.9	2.6	-1.3	7.7	7.5	+0.2
16.9	Ia.	II	23 21 9.85	9.78	+0.07	..	..	..	C.	5 28 49.5	50.3	+0.8	..	..	..
18.9	See.	II	23 30 0.03	0.08	-0.05	..	..	..	C.	4 37 35.3	34.3	-1.0	..	..	..
19.9	L.	.	23 34 24.94	24.85	+0.09	0.57	0.48	+0.09	.	4 11 42.4	41.0	-1.4	7.1	7.2	-0.1
20.9	Br.	.	23 38 49.43	49.40	+0.03	0.52	0.48	+0.04	.	..	..	..	..	..	..
21.9	B.	.	23 43 13.91	13.77	+0.14	0.59	0.48	+0.11	.	..	..	..	..	..	..
23.9	Ia.	.	23 52 2.10	2.04	+0.06	0.52	0.47	+0.05	C.	2 26 39.9	39.8	-0.1	..	..	..
24.9	Ei.	.	23 56 26.12	26.00	+0.12	0.47	0.47	0.00	C.	2 0 7.0	5.7	-1.3	..	..	..
26.9	L.	.	0 5 13.80	13.72	+0.08	0.55	0.46	+0.09	.	1 6 39.3	39.3	0.0	6.9	7.0	0.1
27.9	Br.	.	0 9 37.52	37.55	-0.03	0.50	0.46	+0.04	.	0 39 47.5	48.3	+0.8	8.0	6.9	+1.1
28.9	B.	.	0 14 1.40	1.39	+0.01	0.57	0.46	+0.11	C.	-0 12 52.4	52.9	+0.5	..	..	..
30.9	Ia.	.	0 22 49.32	49.26	+0.06	0.43	0.46	-0.03	.	..	..	..	..	..	..
May 1.9	B.	.	0 27 13.40	13.36	+0.04	0.55	0.45	+0.10	C.	+1 8 11.7	12.7	-1.0	..	..	..
3.9	L.	.	0 36 2.14	2.02	+0.12	0.45	0.45	0.00	C.	2 2 24.3	26.1	-1.8	..	..	..
8.9	Br.	.	0 58 7.77	7.77	0.00	0.37	0.44	-0.07	.	4 17 54.5	54.3	+0.2	6.7	6.5	+0.2
9.9	See.	C.	1 2 33.94	33.84	+0.10	..	..	..	C.	4 44 52.8	53.5	-0.7	..	..	..
11.9	K.	.	1 11 27.27	27.20	+0.07	0.46	0.43	+0.03	.	5 38 39.8	40.1	-0.3	6.2	6.5	0.3
14.9	Ia.	II	1 24 50.73	50.65	+0.08	..	..	..	C.	6 58 40.8	40.4	+0.4	..	..	..
15.9	Ei.	.	1 29 19.59	19.51	+0.08	0.37	0.43	-0.06	C.	7 25 8.9	7.2	+1.7	..	..	..
18.9	K.	.	1 42 49.76	49.63	+0.13	0.40	0.42	-0.02	.	8 43 39.2	38.8	+0.4	6.4	6.3	+0.1
19.9	B.	.	1 47 21.06	20.99	+0.07	0.51	0.42	+0.09	C.	9 9 31.1	30.8	+0.3	..	..	..
22.9	Br.	.	2 0 59.36	59.37	-0.01	0.42	0.42	0.00	.	10 26 1.2	1.9	-0.7	5.2	6.2	-1.0
24.9	L.	.	2 10 9.04	8.90	+0.14	0.46	0.42	+0.04	.	11 16 1.5	1.6	-0.1	5.9	6.1	-0.2
25.9	Ei.	.	2 14 44.99	44.94	+0.05	0.40	0.41	-0.01	C.	11 40 41.1	41.0	+0.1	..	..	..
26.9	Ia.	.	2 19 21.79	21.86	-0.07	0.42	0.41	+0.01	C.	12 5 6.9	5.9	+1.0	..	..	..
28.9	B.	.	2 28 38.53	38.46	+0.07	0.52	0.41	+0.11	C.	12 53 10.2	9.5	+0.7	..	..	..
June 1.9	L.	.	2 47 23.40	23.34	+0.06	0.41	0.41	0.00	C.	+14 25 51.8	51.7	+0.1	..	..	..

SIX-INCH TRANSIT CIRCLE.

June 14.9	Ia.	.	3 50 16.87	16.83	+0.04	0.49	0.40	+0.09	.	+18 47 21.9	22.2	-0.3	5.8	5.7	+0.1
18.9	Ia.	.	4 11 15.42	15.33	+0.09	0.41	0.40	+0.01	C.	19 52 52.4	51.8	+0.6	..	..	..
21.9	L.	II	4 25 25.60	25.51	+0.09	..	..	..	.	20 36 37.5	36.1	+1.4	6.6	5.6	+1.0
22.0	K.	II	4 30 31.06	30.97	+0.09	..	..	..	C.	20 50 7.4	6.0	+1.4	..	..	..
29.9	K.	.	5 6 36.05	36.01	+0.04	0.53	0.39	+0.14	C.	22 8 32.8	31.2	+1.6	..	..	..
30.9	B.	.	5 11 48.78	48.78	0.00	0.51	0.39	+0.12	C.	22 17 19.5	19.4	+0.1	..	..	..
July 2.9	Ia.	.	5 22 16.53	16.55	-0.02	0.43	0.39	+0.04	C.	22 33 2.8	3.2	-0.4	..	..	..
6.9	Br.	.	5 43 19.70	19.77	-0.07	0.30	0.39	-0.09	.	22 56 51.3	50.3	+1.0	5.4	5.3	+0.1
9.9	Ia.	.	5 59 12.38	12.37	+0.01	0.43	0.39	+0.04	C.	23 7 46.3	47.0	-0.7	..	..	..
10.9	Ei.	.	6 4 30.69	30.61	+0.08	0.40	0.38	+0.02	C.	23 10 6.4	5.9	+0.5	..	..	..
12.0	See.	.	6 9 49.20	49.12	+0.08	0.32	0.38	-0.06	.	..	..	..	..	..	..
13.0	L.	.	6 15 7.82	7.83	-0.01	0.43	0.38	+0.05	.	23 12 40.7	42.3	-1.6	4.8	5.3	-0.5
14.0	K.	.	6 20 26.81	26.70	+0.11	0.38	0.38	0.00	C.	23 12 59.7	59.7	0.0	..	..	..
15.0	B.	.	6 25 45.73	45.66	+0.07	0.50	0.38	+0.12	C.	23 12 35.3	36.5	-1.2	..	..	..
18.0	Br.	.	6 41 42.67	42.65	+0.02	0.41	0.38	+0.03	.	23 7 22.5	22.4	+0.1	5.3	5.2	+0.1
19.0	Ei.	.	6 47 1.62	1.50	+0.12	0.41	0.38	+0.03	C.	23 4 16.4	16.1	+0.3	..	..	..
20.0	L.	.	6 52 20.18	20.18	0.00	0.43	0.38	+0.05	.	23 0 29.1	29.1	0.0	5.1	5.2	-0.1
21.0	K.	.	6 57 38.77	38.65	+0.12	0.40	0.37	+0.03	C.	22 56 1.3	1.6	-0.3	..	..	..
22.0	B.	.	7 2 57.00	56.85	+0.15	0.44	0.37	+0.07	.	..	..	..	..	..	..
28.0	K.	.	7 34 37.79	37.86	-0.07	0.30	0.37	-0.07	C.	22 6 4.2	3.2	+1.0	..	..	..
Aug. 5.0	B.	.	8 16 18.23	18.13	+0.10	0.48	0.36	+0.12	C.	20 30 13.2	11.8	+1.4	..	..	..
7.0	Ia.	.	8 26 35.05	35.03	+0.02	0.44	0.36	+0.08	C.	20 0 8.3	8.2	+0.1	..	..	..
10.0	Ei.	.	8 31 42.14	42.10	+0.04	0.39	0.36	+0.03	C.	19 44 16.0	14.4	+1.6	..	..	..
16.0	B.	.	9 12 2.62	2.68	-0.06	0.36	0.35	+0.01	C.	+17 17 25.8	26.4	-0.6	..	..	..

V E N U S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1899.			h m s	s	s	s	s	s		° ' "	"	"	" "	"	"
Aug. 19.0	B.	.	9 26 53.36	53.30	+0.06	0.38	0.35	+0.03	C.	+16 14 3.4	4.5	-1.1	..	..	..
23.0	B.	.	9 46 26.30	26.41	-0.11	0.41	0.34	+0.07	C.	14 43 16.0	17.1	-1.1	..	..	..
25.0	Br.	.	9 56 6.95	6.97	-0.02	0.25	0.34	-0.09	C.	13 55 26.0	23.3	+2.7	..	..	..
Sept. 23.0	B.	C.	12 10 57.10	57.08	+0.02	..	..	..	C.	+ 0 16 26.6	22.7	+3.9	..	..	..
28.0	U.	I	12 33 44.34	44.29	+0.05	..	..	..	C.	- 2 15 57.5	58.0	+0.5	..	..	..
Oct. 2.0	U.	I	12 52 1.64	1.52	+0.12	..	..	..	C.	4 17 23.8	25.3	+1.5	..	..	..
7.0	B.	.	13 15 1.73	1.70	+0.03	0.43	0.33	+0.10	C.	6 47 20.6	22.7	+2.1	..	..	..
9.0	La.	.	13 24 17.43	17.48	-0.05	0.50	0.34	+0.16	C.	7 46 24.6	27.1	+2.5	..	..	..
13.0	Ei.	I	13 42 57.15	57.04	+0.11	..	..	..	C.	9 42 28.7	28.6	-0.1	..	..	..
14.0	B.	.	13 47 38.88	38.82	+0.06	0.33	0.34	-0.01	C.	10 10 55.7	57.9	+2.2	..	..	..
18.0	U.	C.	14 6 34.64	34.58	+0.06	..	..	..	C.	12 2 27.6	27.1	-0.5	..	..	..
19.0	La.	C.	14 11 20.79	20.85	-0.06	..	..	..	C.	12 29 40.6	38.6	-2.0	..	..	..
20.0	Ei.	I	14 16 8.02	8.11	-0.09	..	..	..	C.	12 56 32.4	32.2	-0.2	..	..	..
23.0	La.	.	14 30 36.01	36.19	-0.18	0.35	0.35	0.00	C.	14 15 17.0	17.5	+0.5	..	..	..
24.0	Br.	.	14 35 27.65	27.74	-0.09	0.30	0.35	-0.05	C.	14 40 50.7	51.5	+0.8	..	..	..
25.0	U.	I	14 40 20.53	20.43	+0.10	..	..	..	C.	15 6 2.8	3.6	+0.8	..	..	..
26.0	La.	.	14 45 14.32	14.28	+0.04	0.39	0.35	+0.04	C.	15 30 53.3	52.9	-0.4	..	..	..
27.0	B.	.	14 50 9.17	9.31	-0.14	0.44	0.35	+0.09	C.	15 55 18.3	18.8	+0.5	..	..	..
Nov. 2.0	La.	.	15 20 5.21	5.15	+0.06	0.47	0.36	+0.11	C.	18 12 53.7	54.0	+0.3	..	..	..
7.0	Br.	.	15 45 35.86	35.99	-0.13	0.33	0.37	-0.04	C.	19 54 17.9	19.4	+1.5	..	..	..
10.0	B.	.	16 1 9.18	9.24	-0.06	0.44	0.37	+0.07	C.	20 48 40.0	40.7	+0.7	..	..	..
11.0	U.	I	16 6 22.73	22.70	+0.03	..	..	..	C.	21 5 38.0	38.5	+0.5	..	..	..
13.0	La.	.	16 16 52.94	53.06	-0.12	0.45	0.37	+0.08	C.	21 37 46.0	45.7	-0.3	..	..	..
20.0	La.	.	16 54 12.53	12.71	-0.18	0.42	0.38	+0.04	C.	23 10 7.4	6.8	-0.6	..	..	..
21.0	Br.	.	16 59 36.31	36.44	-0.13	0.31	0.39	-0.08	C.	23 20 37.2	37.6	+0.4	..	..	..
27.0	B.	.	17 32 14.31	14.27	+0.04	0.48	0.39	+0.09	C.	24 8 49.5	49.7	+0.2	..	..	..
Dec. 1.1	B.	.	17 54 9.99	10.06	-0.07	0.47	0.40	+0.07	C.	24 26 19.8	20.4	+0.6	..	..	..
5.1	Br.	.	18 16 9.32	9.50	-0.18	0.43	0.40	+0.03	C.	24 31 51.4	51.1	-0.3	..	..	..
6.1	B.	.	..	..	..	..	..	..	C.	24 31 19.8	20.4	+0.6	..	..	..
7.1	La.	.	18 27 9.27	9.19	+0.08	0.48	0.40	+0.08	C.	24 30 4.3	4.2	-0.1	..	..	..
8.1	B.	.	18 32 38.77	38.77	0.00	0.49	0.40	+0.09	C.	24 28 1.5	2.7	+1.2	..	..	..
9.1	U.	I	18 38 8.04	8.10	-0.06	..	..	..	C.	24 25 16.7	15.9	-0.8	..	..	..
11.1	B.	.	..	..	..	..	..	..	C.	24 17 26.8	27.2	+0.4	..	..	..
13.1	U.	I	19 0 1.31	1.38	-0.07	..	..	..	C.	24 6 39.2	39.3	+0.1	..	..	..
16.1	U.	.	..	..	..	..	..	..	C.	23 44 56.4	56.2	-0.2	..	..	..
18.1	La.	.	19 27 9.16	9.22	-0.06	0.43	0.41	+0.02	C.	23 26 49.2	49.8	+0.6	..	..	..
20.1	U.	I	19 37 54.51	54.61	-0.10	..	..	..	C.	23 5 51.5	52.7	+1.2	..	..	..
21.1	La.	.	19 43 15.87	15.88	-0.01	0.52	0.41	+0.11	C.	22 54 21.1	21.4	+0.3	6.1	5.7	+0.4
22.1	B.	.	19 48 36.03	36.13	-0.10	0.50	0.41	+0.09	C.	22 42 6.3	8.8	+2.5	..	..	..
26.1	Br.	.	20 9 46.10	46.18	-0.08	0.39	0.41	-0.02	C.	21 46 34.2	37.0	+2.8	..	..	..
29.1	B.	.	20 25 26.15	26.21	-0.06	0.53	0.41	+0.12	C.	-20 58 12.2	12.4	+0.2	..	..	..

M A R S.

1894.															
Oct. 10.5	K.	.	1 58 9.69	9.45	+0.24	0.85	0.79	+0.06	.	+ 9 7 18.0	22.0	-4.0	14.7	11.7	+3.0
11.5	S.	.	1 56 54.12	53.92	+0.20	0.75	0.79	-0.04	.	9 3 52.2	54.2	-2.0	11.7	11.7	0.0
15.5	S.	.	1 51 41.25	41.11	+0.14	0.74	0.79	-0.05	.	8 49 35.2	37.9	-2.7	11.6	11.7	-0.1
16.5	P.	.	1 50 21.49	21.15	+0.34	0.86	0.79	+0.07	.	8 45 57.4	60.7	-3.3	12.6	11.7	+0.9
17.5	K.	.	1 49 1.05	0.83	+0.22	0.99	0.79	+0.20	.	8 42 22.7	23.8	-1.1	12.1	11.7	+0.4
18.5	S.	.	1 47 40.52	40.37	+0.15	0.79	0.79	0.00	.	8 38 44.9	47.9	-3.0	11.4	11.7	-0.3
19.5	P.	.	1 46 20.28	19.94	+0.34	0.77	0.78	-0.01	.	8 35 10.8	13.9	-3.1	11.4	11.6	-0.2
20.5	La.	.	1 44 59.90	59.75	+0.15	0.70	0.78	-0.08	.	8 31 38.3	42.5	-4.2	12.5	11.6	+0.9
24.5	K.	.	1 39 45.19	45.15	+0.04	0.72	0.77	-0.05	.	8 18 17.3	20.1	-2.8	12.6	11.4	+1.2
31.5	K.	.	1 31 26.59	26.52	+0.07	0.73	0.74	-0.01	.	7 59 41.0	45.3	-4.3	11.2	10.9	+0.3
Nov. 1.4	S.	.	1 30 23.33	23.33	0.00	0.68	0.73	-0.05	.	7 57 44.2	48.0	-3.8	10.8	10.8	0.0
3.4	La.	.	1 28 24.51	24.33	+0.18	0.70	0.72	0.02	.	7 54 27.1	30.8	-3.7	11.5	10.7	+0.8
16.4	P.	.	1 20 8.96	8.67	+0.29	0.71	0.64	+0.07	.	7 55 51.1	54.7	-3.6	10.2	9.6	+0.6
27.4	P.	.	1 19 51.34	51.13	+0.21	0.65	0.57	+0.08	.	8 29 0.6	3.9	-3.3	9.2	8.5	+0.7
1896.															
Aug. 30.7	P.	.	4 29 11.92	11.58	+0.34	0.32	0.36	-0.04	C.	20 41 54.8	54.6	+0.2	..	..	..
Oct. 26.6	S.	.	5 56 19.73	19.23	+0.50	0.54	0.53	+0.01	C.	23 58 53.9	54.8	-0.9	..	..	..
27.6	K.	.	5 56 39.64	39.05	+0.59	0.51	0.54	-0.03	C.	+24 1 29.5	31.2	-1.7	..	..	..

M A R S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1896.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Nov. 30.5	B.	.	5 31 35.71	35.12	+0.59	0.68	0.66	+0.02	.	+25 30 30.2	29.5	+0.7	8.4	8.9	-0.5
Dec. 3.5	S.	.	5 26 36.73	36.24	+0.49	0.63	0.67	-0.04	.	25 34 44.9	45.5	-0.6	9.2	9.0	+0.2
4.5	K.	.	5 24 54.74	54.12	+0.62	0.82	0.67	+0.15	.	25 35 53.8	54.0	-0.2	9.8	9.0	+0.8
5.5	P.	.	5 23 11.85	11.15	+0.70	0.61	0.67	-0.06	.	25 36 53.5	54.0	-0.5	8.4	9.0	-0.6
7.5	La.	.	5 19 44.15	43.57	+0.58	0.70	0.67	+0.03	.	25 38 27.3	27.7	-0.4	9.4	9.0	+0.4
9.5	La.	.	5 16 15.98	15.43	+0.55	0.72	0.66	+0.06	.	25 39 26.3	26.9	-0.6	9.4	8.9	+0.5
10.5	P.	.	5 14 32.40	31.75	+0.65	0.71	0.66	+0.05	.	25 39 43.6	44.0	-0.4	8.9	8.9	0.0
12.5	S.	.	5 11 6.70	6.27	+0.43	0.64	0.66	-0.02	.	25 39 53.0	53.1	-0.1	8.8	8.9	-0.1
16.5	S.	.	5 4 29.24	28.78	+0.46	0.73	0.65	+0.08	.	25 38 38.4	38.8	-0.4	9.6	8.8	+0.8
17.5	P.	.	5 2 54.03	53.38	+0.65	0.62	0.64	-0.02	.	25 38 3.2	3.2	0.0	8.2	8.8	-0.6
21.5	B.	.	4 56 53.69	53.14	+0.55	0.65	0.63	+0.02	.	25 34 46.0	46.4	-0.4	7.8	8.6	-0.8
23.4	K.	.	4 54 8.45	7.83	+0.62	0.61	0.62	-0.01	.	25 32 41.2	41.7	-0.5	9.3	8.5	+0.8
24.4	B.	.	4 52 49.77	49.36	+0.41	0.61	0.62	-0.01	.	25 31 34.7	34.5	+0.2	8.4	8.4	0.0
25.4	K.	.	4 51 34.39	33.81	+0.58	0.51	0.61	-0.10	.	25 30 24.0	24.8	-0.8	8.6	8.4	+0.2
26.4	S.	.	4 50 21.78	21.31	+0.47	0.64	0.61	+0.03	.	25 29 13.3	13.2	+0.1	8.6	8.3	+0.3
28.4	B.	.	4 48 6.38	5.84	+0.54	0.54	0.60	-0.06	.	25 26 45.4	46.3	-0.9	8.2	8.2	0.0
29.4	K.	.	4 47 3.52	3.04	+0.48	0.57	0.60	-0.03	.	25 25 32.1	32.0	+0.1	9.3	8.1	+1.2
30.4	B.	.	4 46 4.08	3.62	+0.46	0.61	0.59	+0.02	.	.	.	.	.	.	.
31.4	S.	.	4 45 8.01	7.66	+0.35	0.57	0.59	-0.02	.	25 23 5.0	4.3	+0.7	7.3	7.9	-0.6
1897.															
Jan. 6.4	La.	.	4 40 47.24	46.86	+0.38	0.60	0.56	+0.04	.	.	.	.	.	.	.
7.4	B.	.	4 40 16.58	16.11	+0.47	0.53	0.55	-0.02	.	25 15 20.5	20.0	+0.5	7.0	7.4	-0.4
8.4	S.	.	4 39 49.34	49.00	+0.34	0.56	0.55	+0.01	.	25 14 25.8	24.9	+0.9	7.4	7.4	0.0
9.4	La.	.	4 39 25.94	25.54	+0.40	0.58	0.54	+0.04	.	.	.	.	.	.	.
11.4	La.	.	4 38 49.81	49.40	+0.41	0.55	0.53	+0.02	.	25 12 2.3	2.2	+0.1	7.9	7.2	+0.7
12.4	K.	.	4 38 37.01	36.67	+0.34	0.53	0.52	+0.01	.	25 11 24.4	22.8	+1.6	8.0	7.1	+0.9
19.4	S.	.	4 38 43.56	43.23	+0.33	0.60	0.49	+0.11	C.	25 8 48.9	49.4	-0.5	.	.	.
21.4	B.	.	4 39 14.76	14.41	+0.35	0.53	0.48	+0.05	.	25 8 44.5	45.1	-0.6	6.6	6.5	+0.1
22.4	K.	.	4 39 35.02	34.64	+0.38	0.55	0.47	+0.08	.	25 8 49.0	49.4	-0.4	7.8	6.4	+1.4
23.4	S.	.	4 39 58.16	57.88	+0.28	0.61	0.47	+0.14	.	.	.	.	.	.	.
25.3	S.	.	4 40 53.46	53.22	+0.24	0.56	0.46	+0.10	.	25 9 27.9	27.7	+0.2	7.2	6.2	+1.0
26.3	K.	.	4 41 25.61	25.22	+0.39	0.49	0.45	+0.04	.	25 9 48.5	48.5	0.0	7.9	6.1	+1.8
29.3	K.	.	4 43 18.37	18.02	+0.35	0.77	0.44	+0.33	.	25 11 13.4	12.9	+0.5	8.4	6.0	+2.4
Feb. 4.3	B.	.	4 48 15.02	14.70	+0.32	0.48	0.41	+0.07	C.	25 15 28.7	28.6	+0.1	.	.	.
9.3	K.	.	4 53 28.24	27.85	+0.39	0.39	0.39	0.00	.	25 20 5.2	6.0	-0.8	6.4	5.3	+1.1
14.3	S.	.	4 59 34.21	33.92	+0.29	0.46	0.38	+0.08	C.	25 25 13.9	14.3	-0.4	.	.	.
16.3	K.	.	5 2 14.09	13.73	+0.36	0.43	0.37	+0.06	.	25 27 21.1	20.4	+0.7	5.5	5.0	+0.5
17.3	S.	.	5 3 36.64	36.31	+0.33	0.53	0.37	+0.16	C.	25 28 21.8	23.1	-1.3	.	.	.
23.3	S.	.	5 12 27.16	26.85	+0.31	0.46	0.35	+0.11	C.	25 34 23.1	23.0	+0.1	.	.	.
24.3	La.	.	5 14 1.16	0.79	+0.37	0.34	0.35	-0.01	.	25 35 18.9	18.6	+0.3	5.8	4.6	+1.2
27.3	La.	.	5 18 51.72	51.38	+0.34	0.42	0.34	+0.08	C.	25 37 54.0	53.5	+0.5	.	.	.
Mar. 12.3	K.	.	5 42 5.81	5.47	+0.34	0.38	0.30	+0.08	.	25 43 55.2	55.6	-0.4	5.8	4.1	+1.7
1898.															
Nov. 30.7	S.	.	8 45 25.36	25.17	+0.19	0.57	0.43	+0.14	.	20 42 44.1	44.5	-0.4	6.8	6.0	+0.8
Dec. 1.7	L.	.	8 45 53.19	53.01	+0.18	0.49	0.43	+0.06	.	20 43 36.8	37.8	-1.0	6.4	6.1	+0.3
5.7	La.	.	8 47 14.65	14.50	+0.15	0.58	0.44	+0.14	.	20 49 13.8	15.2	-1.4	7.3	6.3	+1.0
6.7	Br.	.	8 47 27.15	27.14	+0.01	0.41	0.45	-0.04	.	20 51 11.0	11.6	-0.6	6.2	6.3	-0.1
7.7	S.	.	8 47 36.64	36.59	+0.05	0.52	0.45	+0.07	.	20 53 19.8	21.1	-1.3	6.6	6.4	+0.2
8.6	L.	.	8 47 42.98	42.81	+0.17	0.66	0.45	+0.21	.	20 55 43.0	43.8	-0.8	8.2	6.4	+1.8
10.6	B.	.	8 47 45.65	45.42	+0.23	0.58	0.46	+0.12	.	21 1 9.1	9.4	-0.3	7.4	6.5	+0.9
13.6	Ei.	.	8 47 24.47	24.25	+0.22	0.52	0.47	+0.05	.	21 10 58.0	58.0	0.0	6.5	6.7	-0.2
15.6	L.	.	8 46 53.19	53.05	+0.14	0.63	0.48	+0.15	.	21 18 36.4	36.1	+0.3	6.9	6.8	+0.1
16.6	K.	.	8 46 32.44	32.26	+0.18	0.51	0.49	+0.02	.	21 22 45.5	44.4	+1.1	7.2	6.8	+0.4
17.6	B.	.	8 46 8.17	8.00	+0.17	0.56	0.49	+0.07	.	21 27 4.4	5.3	-0.9	7.2	6.9	+0.3
24.6	B.	.	8 41 41.67	41.46	+0.21	0.55	0.52	+0.03	.	22 2 55.5	56.5	-1.0	6.9	7.2	-0.3
27.6	Ei.	.	8 38 56.53	56.33	+0.20	0.59	0.53	+0.06	.	22 20 49.0	48.9	+0.1	6.0	7.3	-1.3
29.6	Ei.	.	8 36 50.26	49.98	+0.28	0.63	0.53	+0.10	.	22 33 22.8	23.1	-0.3	8.0	7.3	+0.7
1899.															
Jan. 10.5	Ei.	.	8 20 17.14	16.98	+0.16	0.63	0.56	+0.07	.	.	.	.	.	.	.
14.5	L.	.	8 13 42.30	42.16	+0.14	0.69	0.56	+0.13	C.	24 19 29.9	30.0	-0.1	.	.	.
19.5	L.	.	8 5 12.87	12.71	+0.16	0.65	0.57	+0.08	.	24 48 36.8	36.1	+0.7	7.4	7.7	-0.3
23.5	La.	.	7 58 28.77	28.57	+0.20	0.63	0.57	+0.06	.	25 8 31.8	32.0	-0.2	8.2	7.7	+0.5
25.5	L.	.	7 55 12.27	12.12	+0.15	0.65	0.56	+0.09	.	25 17 12.4	12.7	-0.3	7.9	7.6	+0.3
26.5	Br.	.	7 53 35.96	35.93	+0.03	0.62	0.56	+0.06	.	25 21 13.3	12.7	+0.6	9.6	7.6	+2.0
27.5	K.	.	7 52 1.50	1.32	+0.18	0.66	0.56	+0.10	.	25 24 58.8	59.0	-0.2	9.5	7.6	+1.9
30.5	La.	.	.	.	.	.	.	.	.	+25 34 55.6	55.4	+0.2	6.9	7.5	-0.6

M A R S—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1899.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Feb. 1.5	S.	.	7 44 37.78	37.64	+0.14	0.59	0.55	+0.04	.	+25 40 23.7	23.6	+0.1	7.9	7.5	+0.4
2.5	L.	.	7 43 16.03	15.86	+0.17	0.59	0.54	+0.05	.	25 42 46.2	47.0	-0.8	7.4	7.4	0.0
4.5	Br.	.	7 40 40.29	40.30	-0.01	0.51	0.54	-0.03	.	25 46 54.5	53.5	+1.0	7.4	7.3	+0.1
9.4	L.	.	7 35 3.04	2.97	+0.07	0.66	0.52	+0.14	.	25 53 22.8	22.2	+0.6	8.7	7.0	+1.7
21.4	Br.	.	7 27 14.93	14.84	+0.09	0.50	0.48	+0.02	.	25 49 56.5	55.1	+1.4	6.9	6.4	+0.5
22.4	S.	.	7 26 58.35	58.27	+0.08	0.55	0.47	+0.08	.	25 48 38.9	38.0	+0.9	6.1	6.4	-0.3
24.4	K.	.	7 26 35.26	35.19	+0.07	0.46	0.46	0.00	C.	25 45 40.8	40.4	+0.4	.	.	.
25.4	Ei.	.	7 26 28.70	28.59	+0.11	0.48	0.46	+0.02	.	25 44 1.2	0.5	+0.7	6.9	6.2	+0.7
27.4	La.	.	7 26 25.15	25.12	+0.03	0.57	0.45	+0.12	.	25 40 20.1	19.6	+0.5	6.7	6.0	+0.7
28.4	Br.	.	7 26 28.23	28.16	+0.07	0.42	0.45	-0.03	.	+25 38 20.3	19.1	+1.2	6.1	6.0	+0.1

J U P I T E R.

1894.															
Dec. 14.5	P.	.	6 10 6.37	6.16	+0.21	1.72	1.74	-0.02	.	+23 11 15.6	22.8	-7.2	22.7	22.6	+0.1
22.5	P.	.	6 5 25.50	25.31	+0.19	1.72	1.75	-0.03	.	23 13 15.2	21.1	-5.9	22.4	22.6	-0.2
1895.															
Jan. 26.4	L.	.	5 47 53.54	53.41	+0.13	1.77	1.67	+0.10	.	23 17 12.7	18.7	-6.0	22.8	21.6	+1.2
Feb. 28.3	L.	.	5 44 17.00	16.82	+0.18	1.56	1.52	+0.04	.	23 20 53.0	57.3	-4.3	19.4	19.6	-0.2
Mar. 6.3	K.	.	5 45 17.66	17.41	+0.25	1.41	1.49	-0.08	.	23 22 1.3	6.8	-5.5	18.8	19.3	-0.5
1896.															
Jan. 3.6	K.	.	8 37 5.39	4.31	+1.08	1.65	1.63	+0.02	.	.	.	.	.	.	.
4.6	S.	.	8 36 37.16	36.31	+0.85	1.58	1.63	-0.05	.	19 14 27.6	34.7	-7.1	21.8	21.6	+0.2
11.5	P.	.	8 33 9.49	8.53	+0.96	1.60	1.63	-0.03	.	19 28 16.9	23.0	-6.1	21.8	21.8	0.0
13.5	L.	.	8 32 6.94	6.02	+0.92	1.64	1.64	0.00	.	19 32 20.1	26.5	-6.4	22.0	21.8	+0.2
14.5	S.	.	8 31 35.40	34.35	+1.05	1.70	1.64	+0.06	.	19 34 23.0	28.9	-5.9	21.6	21.8	-0.2
16.5	L.	.	8 30 31.22	30.32	+0.90	1.58	1.64	-0.06	.	19 38 28.7	34.7	-6.0	21.6	21.9	-0.3
17.5	K.	.	8 29 59.00	57.99	+1.01	1.61	1.64	-0.03	.	19 40 30.4	37.7	-7.3	21.8	21.9	-0.1
21.5	K.	.	8 27 48.36	47.29	+1.07	1.61	1.65	-0.04	.	19 48 42.8	49.2	-6.4	21.3	21.9	-0.6
27.5	L.	.	8 24 30.70	29.72	+0.98	1.70	1.65	+0.05	.	20 0 47.1	53.8	-6.7	21.6	21.9	-0.3
1897.															
Jan. 21.6	B.	.	10 44 16.62	15.21	+1.41	1.38	1.48	-0.10	.	.	.	.	.	.	.
22.6	K.	.	10 43 57.55	56.13	+1.42	1.54	1.48	+0.06	.	9 23 14.8	23.5	-8.7	22.6	20.6	+2.0
25.6	S.	.	10 42 56.90	55.44	+1.46	1.46	1.49	-0.03	.	9 30 1.4	11.1	-9.7	21.0	20.7	+0.3
30.6	P.	.	10 41 5.08	3.53	+1.55	1.48	1.50	-0.02	.	9 42 20.3	28.4	-8.1	21.4	20.9	+0.5
Feb. 3.6	P.	.	10 39 26.89	25.34	+1.55	1.46	1.51	-0.05	.	9 52 54.5	63.3	-8.8	21.0	21.0	0.0
4.6	B.	.	10 39 1.26	59.73	+1.53	1.46	1.51	-0.05	.	9 55 37.5	47.1	-9.6	20.4	21.0	-0.6
13.5	P.	.	10 34 55.71	54.11	+1.60	1.42	1.54	-0.12	.	10 21 21.7	30.4	-8.7	21.4	21.2	+0.2
14.5	S.	.	10 34 27.01	25.49	+1.52	1.53	1.54	-0.01	.	10 24 17.1	27.2	-10.1	20.9	21.3	-0.4
16.5	K.	.	10 33 29.35	27.68	+1.67	1.54	1.54	0.00	.	10 30 12.9	22.2	-9.3	22.3	21.3	+1.0
17.5	S.	.	10 32 60.10	58.54	+1.56	1.62	1.54	+0.08	.	10 33 12.0	20.5	-8.5	22.0	21.3	+0.7
23.5	S.	.	10 30 3.13	1.56	+1.57	1.47	1.54	-0.07	.	10 51 1.7	9.9	-8.2	21.2	21.3	-0.1
25.5	S.	.	10 29 3.79	2.28	+1.51	1.52	1.54	-0.02	.	10 56 55.1	63.7	-8.6	21.4	21.3	+0.1
26.5	B.	.	10 28 34.33	32.69	+1.64	1.53	1.54	-0.01	.	10 59 50.8	59.5	-8.7	21.3	21.3	0.0
27.5	La.	.	10 28 4.77	3.14	+1.63	1.54	1.54	0.00	.	11 2 45.2	54.2	-9.0	21.1	21.3	-0.2
Mar. 1.5	La.	.	10 27 5.91	4.30	+1.61	1.56	1.54	+0.02	.	11 8 31.4	40.6	-9.2	20.8	21.3	-0.5
2.5	S.	.	10 26 36.66	35.05	+1.61	1.53	1.54	-0.01	.	11 11 22.8	32.0	-9.2	21.5	21.3	+0.2
3.5	La.	.	10 26 7.60	5.95	+1.65	1.58	1.54	+0.04	.	11 14 13.3	21.9	-8.6	20.8	21.3	-0.5
10.5	La.	.	10 22 49.74	48.12	+1.62	1.48	1.53	-0.05	.	11 33 12.0	21.6	-9.6	21.0	21.2	-0.2
12.5	K.	.	10 21 55.73	54.09	+1.64	1.49	1.53	-0.04	.	11 38 20.3	27.8	-7.5	21.6	21.1	+0.5
16.4	K.	.	10 20 11.95	10.29	+1.66	1.54	1.53	+0.01	.	.	.	.	.	.	.
25.4	La.	.	10 16 43.99	42.31	+1.68	1.40	1.50	-0.10	.	12 6 59.8	68.6	-8.8	21.2	20.7	+0.5
26.4	K.	.	10 16 23.41	21.70	+1.71	1.54	1.50	+0.04	.	12 8 48.9	59.0	-10.1	22.3	20.7	+1.6
27.4	La.	.	10 16 3.34	1.66	+1.68	1.50	1.50	0.00	.	12 10 38.0	45.8	-7.8	20.4	20.6	-0.2
29.4	Br.	.	10 15 24.89	23.29	+1.60	1.38	1.49	-0.11	.	12 13 58.0	68.8	-10.8	18.8	20.5	-1.7
30.4	K.	.	10 15 6.66	4.99	+1.67	1.45	1.49	-0.04	.	12 15 37.4	44.9	-7.5	21.1	20.5	+0.6
31.4	La.	.	10 14 48.95	47.29	+1.66	1.46	1.49	-0.03	.	12 17 8.5	17.3	-8.8	21.3	20.5	+0.8
Apr. 1.4	B.	.	10 14 31.94	30.19	+1.75	1.44	1.48	-0.04	.	12 18 36.5	45.9	-9.4	20.5	20.4	+0.1
2.4	K.	.	10 14 15.46	13.71	+1.75	1.38	1.48	-0.10	.	12 20 1.5	10.7	-9.2	21.2	20.4	+0.8
3.4	S.	.	10 13 59.51	57.87	+1.64	1.40	1.47	-0.07	.	12 21 23.2	31.7	-8.5	20.6	20.3	+0.3
6.4	K.	.	10 13 15.81	14.26	+1.55	1.38	1.46	-0.08	.	12 25 3.5	11.7	-8.2	21.4	20.2	+1.2
9.4	K.	.	10 12 38.16	36.54	+1.62	1.52	1.45	+0.07	.	12 28 7.9	16.3	-8.4	21.4	20.0	+1.4
12.4	Br.	.	10 12 6.32	4.92	+1.40	1.36	1.44	-0.08	.	+12 30 37.9	45.2	-7.3	19.0	19.9	-0.9

J U P I T E R—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Apr. 13.4	K.	.	10 11 57.31	55.75	+1.56	1.40	1.44	-0.04	.	+12 31 19.1	26.9	-7.8	20.4	19.8	+0.6
15.4	B.	.	10 11 41.06	39.48	+1.58	1.45	1.43	+0.02	.	12 32 32.1	38.4	-6.3	20.0	19.7	+0.3
17.4	La.	.	10 11 27.63	26.01	+1.62	1.40	1.42	-0.02	.	12 33 26.5	34.1	-7.6	19.0	19.6	-0.6
18.3	S.	.	10 11 21.89	20.32	+1.57	1.35	1.42	-0.07	.	12 33 48.5	56.0	-7.5	19.6	19.6	0.0
19.3	Br.	.	10 11 16.76	15.33	+1.43	1.30	1.41	-0.11	.	12 34 6.8	13.8	-7.0	19.3	19.5	-0.2
20.3	K.	.	10 11 12.63	11.04	+1.59	1.36	1.41	-0.05	.	12 34 20.3	27.6	-7.3	20.0	19.4	+0.6
21.3	S.	.	10 11 8.92	7.45	+1.47	1.30	1.41	-0.11	.	12 34 30.2	37.5	-7.3	19.4	19.4	0.0
22.3	B.	.	10 11 6.11	4.56	+1.55	1.35	1.40	-0.05	.	12 34 36.2	43.5	-7.3	19.8	19.3	+0.5
23.3	K.	.	10 11 3.98	2.37	+1.61	1.34	1.40	-0.06	.	12 34 37.8	45.5	-7.7	19.8	19.2	+0.6
24.3	La.	.	10 11 2.48	0.88	+1.60	1.28	1.40	-0.12	.	12 34 35.6	43.5	-7.9	19.4	19.2	+0.2
27.3	K.	.	10 11 2.26	0.65	+1.61	1.36	1.38	-0.02	.	12 34 6.9	13.8	-6.9	20.0	19.0	+1.0
28.3	S.	.	10 11 3.50	1.98	+1.52	1.36	1.38	-0.02	.	12 33 47.9	56.0	-8.1	19.2	19.0	+0.2
29.3	B.	.	10 11 5.54	4.01	+1.53	1.34	1.38	-0.04	.	+12 33 26.5	34.3	-7.8	19.0	18.9	+0.1
1898.															
Feb. 9.6	Po.	.	12 38 31.19	31.18	+0.01	1.33	1.41	-0.08	.	- 2 31 39.9	39.8	-0.1	19.5	19.8	-0.3
10.6	L.	.	12 38 19.66	19.66	0.00	1.38	1.41	-0.03	.	2 30 10.7	10.4	-0.3	20.0	19.9	+0.1
16.6	S.	.	12 36 56.96	57.05	-0.09	1.38	1.44	-0.06	.	2 19 51.4	50.7	-0.7	20.8	20.2	+0.6
23.6	S.	.	12 34 53.12	53.09	+0.03	1.56	1.45	+0.11	.	2 5 1.6	0.8	-0.8	21.5	20.5	+1.0
26.6	B.	.	12 33 51.76	51.75	+0.01	1.44	1.46	-0.02	.	1 57 51.5	50.5	-1.0	21.0	20.6	+0.4
28.6	L.	.	12 33 8.42	8.41	+0.01	1.46	1.47	-0.01	.	1 52 50.1	49.2	-0.9	20.6	20.7	-0.1
Mar. 1.6	Br.	.	12 32 45.98	46.04	-0.06	1.42	1.47	-0.05	.	1 50 15.7	14.4	-1.3	21.1	20.7	+0.4
2.6	S.	.	12 32 23.16	23.22	-0.06	1.46	1.47	-0.01	.	1 47 37.8	37.2	-0.6	20.8	20.7	+0.1
4.6	K.	.	12 31 36.41	36.30	+0.11	1.42	1.48	-0.06	.	1 42 15.8	15.5	-0.3	21.6	20.8	+0.8
5.6	Po.	.	12 31 12.22	12.24	-0.02	1.42	1.48	-0.06	.	1 39 32.8	31.2	-1.6	21.2	20.8	+0.4
7.6	K.	.	12 30 23.04	22.98	+0.06	1.52	1.48	+0.04	.	1 33 56.4	56.4	0.0	21.2	20.9	+0.3
8.6	La.	.	12 29 57.80	57.82	-0.02	1.34	1.48	-0.14	.	1 31 5.7	6.0	+0.3	21.4	20.9	+0.5
9.6	S.	.	12 29 32.24	32.33	-0.09	1.42	1.49	-0.07	.	1 28 13.7	13.7	0.0	21.2	20.9	+0.3
10.6	L.	.	12 29 6.66	6.51	+0.15	1.44	1.49	-0.05	.	1 25 21.7	19.8	-1.9	19.6	21.0	-1.4
12.5	B.	.	12 28 14.03	13.99	+0.04	1.45	1.49	-0.04	.	1 19 28.4	27.2	-1.2	19.8	21.0	-1.2
17.5	L.	.	12 25 58.26	58.33	-0.07	1.48	1.50	-0.02	.	1 4 25.5	24.0	-1.5	21.0	21.1	-0.1
19.5	S.	.	12 25 2.67	2.72	-0.05	1.52	1.50	+0.02	.	0 58 17.6	16.8	-0.8	21.6	21.1	+0.5
25.5	K.	.	12 22 13.40	13.42	-0.02	1.50	1.50	0.00	.	0 39 48.0	47.9	-0.1	21.2	21.1	+0.1
31.5	L.	.	12 19 23.82	23.88	-0.06	1.48	1.50	-0.02	.	0 21 33.4	32.5	-0.9	21.4	21.1	+0.3
Apr. 1.5	K.	.	12 18 55.90	55.92	-0.02	1.52	1.50	+0.02	.	0 18 33.8	33.1	-0.7	21.4	21.1	+0.3
2.5	Po.	.	12 18 28.20	28.08	+0.12	1.47	1.50	-0.03	.	0 15 34.8	35.0	+0.2	21.4	21.1	+0.3
6.5	S.	.	12 16 38.38	38.45	-0.07	1.44	1.50	-0.06	.	0 3 58.4	57.6	-0.8	21.6	21.0	+0.6
7.5	L.	.	12 16 11.54	11.55	-0.01	1.52	1.49	+0.03	.	- 0 1 8.0	7.6	-0.4	21.4	21.0	+0.4
8.5	K.	.	12 15 44.85	44.89	-0.04	1.49	1.49	0.00	.	+ 0 1 39.6	40.5	-0.9	21.0	21.0	0.0
9.5	B.	.	12 15 18.45	18.48	-0.03	1.48	1.49	-0.01	.	0 4 26.1	26.6	-0.5	21.0	21.0	0.0
12.5	Po.	.	12 14 0.92	0.99	-0.07	1.53	1.48	+0.05	.	0 12 30.5	31.6	-1.1	21.5	20.9	+0.6
16.4	Br.	.	12 12 22.17	22.27	-0.10	1.52	1.47	+0.05	.	0 22 43.6	43.0	+0.6	21.4	20.8	+0.6
17.4	S.	.	12 11 58.42	58.52	-0.10	1.44	1.47	-0.03	.	0 25 8.0	8.9	-0.9	21.1	20.8	+0.3
20.4	B.	.	12 10 49.74	49.79	-0.05	1.49	1.46	+0.03	.	0 32 8.5	8.6	-0.1	21.0	20.7	+0.3
21.4	L.	.	12 10 27.78	27.75	+0.03	1.46	1.46	0.00	.	0 34 21.2	22.2	-1.0	21.2	20.7	+0.5
27.4	S.	.	12 8 25.66	25.77	-0.11	1.35	1.45	-0.10	.	0 46 29.6	30.1	-0.5	20.4	20.4	0.0
28.4	L.	.	12 8 7.24	7.24	0.00	1.44	1.44	0.00	.	0 48 17.7	18.6	-0.9	20.6	20.4	+0.2
30.4	Po.	.	12 7 31.98	31.85	+0.13	1.38	1.44	-0.06	.	0 51 44.0	44.2	-0.2	20.0	20.3	-0.3
May 1.4	S.	.	12 7 14.88	15.00	-0.12	1.38	1.44	-0.06	.	0 53 20.4	21.1	-0.7	20.4	20.3	+0.1
2.4	K.	.	12 6 58.64	58.72	-0.08	1.45	1.43	+0.02	.	0 54 54.0	54.1	-0.1	20.8	20.2	+0.6
3.4	La.	.	12 6 42.94	43.00	-0.06	1.35	1.43	-0.08	.	0 56 23.0	23.2	-0.2	19.5	20.2	-0.7
9.4	Br.	.	12 5 21.06	21.23	-0.17	1.32	1.42	-0.10	.	1 3 52.1	52.4	-0.3	20.2	20.0	+0.2
10.4	L.	.	12 5 9.70	9.75	-0.05	1.39	1.41	-0.02	.	1 4 51.7	52.7	-1.0	20.0	19.9	+0.1
13.4	K.	.	12 4 38.97	39.04	-0.07	1.36	1.40	-0.04	.	1 7 27.5	28.1	-0.6	19.6	19.8	-0.2
17.3	La.	.	12 4 7.02	7.11	-0.09	1.40	1.39	+0.01	.	+ 1 9 54.1	54.7	-0.6	20.3	19.5	+0.8
1899.															
Mar. 16.6	L.	.	14 30 14.68	14.65	+0.03	1.46	1.47	-0.01	.	-13 19 57.4	56.5	-0.9	20.3	20.1	+0.2
20.6	La.	.	14 29 9.88	9.80	+0.08	1.50	1.48	+0.02	.	13 14 4.8	4.3	-0.5	21.6	20.3	+1.3
23.6	Ei.	.	14 28 14.84	14.75	+0.09	1.56	1.49	+0.07	.	13 9 11.8	10.2	-1.6	22.8	20.4	+2.4
24.6	K.	.	14 27 55.24	55.23	+0.01	1.56	1.49	+0.07	.	13 7 27.2	26.7	-0.5	20.6	20.5	+0.1
25.6	B.	.	14 27 35.22	35.15	+0.07	1.50	1.49	+0.01	.	13 5 40.5	40.6	+0.1	19.9	20.5	-0.6
29.6	S.	.	14 26 9.42	9.47	-0.05	1.52	1.50	+0.02	.	12 58 12.2	11.0	-1.2	21.8	20.7	+1.1
Apr. 1.6	B.	.	14 24 59.90	59.89	+0.01	1.52	1.51	+0.01	.	12 52 9.8	8.9	-0.9	20.6	20.8	-0.2
3.6	La.	.	14 24 11.38	11.19	+0.19	1.59	1.52	+0.07	.	12 47 57.0	56.8	-0.2	21.6	20.8	+0.8
4.6	Ei.	.	14 23 46.30	46.21	+0.09	1.50	1.52	-0.02	.	12 45 48.6	47.8	-0.8	21.6	20.9	+0.7
5.6	S.	.	14 23 20.78	20.81	-0.03	1.46	1.52	-0.06	.	12 43 37.2	36.9	-0.3	20.8	20.9	-0.1
8.6	B.	.	14 22 2.26	2.33	-0.07	1.56	1.53	+0.03	.	12 36 54.6	53.4	-1.2	20.4	21.0	-0.6
10.5	La.	.	14 21 8.30	8.27	+0.03	1.58	1.53	+0.05	.	12 32 17.2	16.4	-0.8	21.0	21.0	0.0
12.5	S.	.	14 20 13.02	13.05	-0.03	1.54	1.53	+0.01	.	-12 27 33.7	34.1	+0.4	21.8	21.1	+0.7

JUPITER—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1899.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Apr. 13.5	Ei.	.	14 19 45.14	45.05	+0.09	1.55	1.53	+0.02	.	-12 25 11.3	11.1	-0.2	21.4	21.1	+0.3
17.5	La.	.	14 17 50.84	50.85	-0.01	1.58	1.54	+0.04	.	12 15 29.7	29.5	-0.2	21.5	21.2	+0.3
19.5	Sec.	.	14 16 52.72	52.75	-0.03	1.44	1.54	-0.10	.	12 10 35.0	34.4	-0.6	20.2	21.2	-1.0
20.5	L.	.	14 16 23.46	23.52	-0.06	1.58	1.54	+0.04	.	12 8 6.6	6.0	-0.6	21.6	21.2	+0.4
21.5	Br.	.	14 15 54.07	54.19	-0.12	1.56	1.54	+0.02	.	12 5 37.1	37.2	+0.1	22.0	21.3	+0.7
22.5	B.	.	14 15 24.86	24.79	+0.07	1.56	1.54	+0.02	.	12 3 8.8	8.3	-0.5	21.2	21.3	-0.1
24.5	La.	.	14 14 25.87	25.85	+0.02	1.51	1.54	-0.03	.	11 58 9.4	10.0	+0.6	20.8	21.3	-0.5
26.5	Sec.	.	14 13 26.82	26.84	-0.02	1.47	1.54	-0.07	.	11 53 12.0	11.7	-0.3	20.7	21.3	-0.6
28.5	Br.	.	14 12 27.80	27.91	-0.11	1.60	1.54	+0.06	.	11 48 14.0	14.3	+0.3	22.0	21.3	+0.7
29.5	B.	.	14 11 58.49	58.52	-0.03	1.59	1.54	+0.05	.	11 45 46.7	46.2	-0.5	21.3	21.3	0.0
May 1.5	La.	.	14 11 0.06	0.02	+0.04	1.50	1.54	-0.04	.	11 40 52.2	52.0	-0.2	20.0	21.2	-1.2
4.5	L.	.	14 9 33.20	33.26	-0.06	1.61	1.54	+0.07	.	11 33 37.4	36.3	-1.1	22.0	21.2	+0.8
9.5	Br.	.	14 7 12.40	12.50	-0.10	1.56	1.53	+0.03	.	11 21 53.4	53.1	-0.3	21.6	21.1	+0.5
10.5	Sec.	.	14 6 45.14	45.10	+0.04	1.42	1.53	-0.11	.	11 19 37.5	36.9	-0.6	20.2	21.1	-0.9
11.4	L.	.	14 6 18.00	17.99	+0.01	1.60	1.53	+0.07	.	11 17 23.4	22.4	-1.0	21.4	21.1	+0.3
13.4	B.	.	14 5 24.76	24.76	0.00	1.57	1.52	+0.05	.	11 12 58.3	59.0	+0.7	20.9	21.1	-0.2
15.4	La.	.	14 4 33.02	32.97	+0.05	1.60	1.52	+0.08	.	11 8 44.2	43.4	-0.8	20.7	21.0	-0.3
16.4	Ei.	.	14 4 7.62	7.64	-0.02	1.48	1.52	-0.04	.	11 6 38.8	38.9	+0.1	21.2	21.0	+0.2
19.4	K.	.	14 2 54.11	54.06	+0.05	1.59	1.51	+0.08	.	11 0 40.1	39.0	-1.1	21.3	20.9	+0.4
20.4	B.	.	14 2 30.47	30.40	+0.07	1.53	1.51	+0.02	.	10 58 43.6	43.9	+0.3	21.2	20.9	+0.3
23.4	Br.	.	14 1 22.13	22.21	-0.08	1.52	1.50	+0.02	.	10 53 13.3	14.3	+1.0	21.4	20.8	+0.6
24.4	Sec.	.	14 0 39.18	39.19	-0.01	1.54	1.49	+0.05	.	10 51 30.2	29.9	-0.3	20.4	20.8	-0.4
25.4	L.	.	14 0 18.45	18.44	+0.01	1.41	1.49	-0.08	.	10 49 48.2	48.4	+0.2	20.8	20.7	+0.1
26.4	Ei.	.	13 59 58.20	58.21	-0.01	1.50	1.49	+0.01	.	10 48 10.1	9.7	-0.4	21.2	20.7	+0.5
27.4	La.	.	13 59 58.20	58.21	-0.01	1.50	1.49	+0.01	.	10 46 34.3	34.0	-0.3	20.9	20.6	+0.3
June 3.4	B.	.	13 57 52.18	52.26	-0.08	1.43	1.47	-0.04	.	-10 36 51.4	51.7	+0.3	20.1	20.4	-0.3

SATURN.*

1895.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Apr. 10.5	K.	.	14 14 16.28	16.37	-0.09	0.61	0.64	-0.03	.	-10 36 35.1	32.9	-2.2	8.6	8.9	-0.3
19.5	P.	.	14 11 43.20	43.20	0.00	0.64	0.64	0.00	.	10 22 55.6	53.6	-2.0	8.1	8.9	-0.8
23.5	P.	.	14 10 33.60	33.56	+0.04	0.60	0.64	-0.04	.	10 16 49.4	48.3	-1.1	7.6	8.9	-1.3
June 6.4	S.	.	13 59 39.82	39.90	-0.08	0.66	0.62	+0.04	.	9 24 23.2	21.8	-1.4	8.4	8.6	-0.2
7.4	S.	.	13 59 29.83	30.16	-0.33	0.62	0.62	0.00	.	9 23 43.9	42.8	-1.1	9.4	8.6	+0.8
8.4	P.	.	13 59 20.63	20.73	-0.10	0.58	0.62	-0.04	.	9 23 6.2	5.7	-0.5	8.0	8.6	-0.6
1896.															
June 30.3	P.	.	14 43 38.22	38.24	-0.02	0.58	0.62	-0.04	C.	13 20 22.8	20.8	-2.0	..	..	..
July 17.3	K.	.	14 42 51.80	51.92	-0.12	0.64	0.60	+0.04	.	13 21 25.2	23.7	-1.5	6.8	8.2	-1.4
1897.															
Feb. 23.7	S.	.	15 55 41.94	42.11	-0.17	0.67	0.60	+0.07	.	18 11 55.8	55.3	-0.5	7.8	..	..
Mar. 2.7	S.	.	15 56 12.02	12.18	-0.16	0.62	0.60	+0.02	.	18 12 10.1	9.4	-0.7	7.9	..	..
3.7	La.	.	15 56 14.82	14.80	+0.02	0.64	0.61	+0.03	.	18 12 8.1	6.4	-1.7	8.8	..	..
10.7	La.	.	15 56 21.39	21.39	0.00	0.62	0.61	+0.01	.	18 11 13.5	11.6	-1.9	8.0	..	..
22.7	B.	.	15 55 45.50	45.62	-0.12	0.66	0.62	+0.04	.	18 7 26.5	24.2	-2.3	8.3	..	..
24.7	S.	.	15 55 33.96	34.06	-0.10	0.63	0.62	+0.01	.	18 6 31.4	30.7	-0.7	8.2	..	..
25.7	La.	.	15 55 27.60	27.69	-0.09	0.60	0.63	-0.03	.	..	..	..	..	..	..
27.6	La.	.	15 55 13.80	13.79	+0.01	0.70	0.63	+0.07	.	..	..	..	..	..	..
29.6	Br.	.	15 54 58.19	58.37	-0.18	0.62	0.63	-0.01	.	18 3 60.6	58.2	-2.4	7.0	..	..
30.6	K.	.	15 54 49.97	50.10	-0.13	0.72	0.63	+0.09	.	18 3 26.1	24.7	-1.4	10.4	..	..
Apr. 1.6	B.	.	15 54 32.37	32.47	-0.10	0.66	0.63	+0.03	.	18 2 17.0	14.9	-2.1	8.4	..	..
2.6	K.	.	15 54 22.98	23.11	-0.13	0.62	0.63	-0.01	.	18 1 40.9	38.5	-2.4	10.0	..	..
3.6	S.	.	15 54 13.37	13.39	-0.02	0.65	0.63	+0.02	.	18 1 3.1	1.0	-2.1	8.8	..	..
5.6	Br.	.	15 53 52.67	52.93	-0.26	0.56	0.64	-0.08	.	17 59 45.4	43.6	-1.8	8.0	..	..
6.6	K.	.	15 53 42.08	42.19	-0.11	0.67	0.64	+0.03	.	17 59 4.6	3.6	-1.0	10.1	..	..
7.6	S.	.	15 53 31.24	31.12	+0.12	0.76	0.64	+0.12	.	17 58 23.0	22.6	-0.4	9.3	..	..
10.6	La.	.	15 52 55.98	55.97	+0.01	0.66	0.64	+0.02	.	17 56 16.3	14.7	-1.6	9.6	..	..
11.6	S.	.	15 52 43.61	43.64	-0.03	0.70	0.64	+0.06	.	17 55 30.9	30.5	-0.4	8.8	..	..
12.6	Br.	.	15 52 30.84	31.01	-0.17	0.70	0.64	+0.06	.	17 54 46.9	45.5	-1.4	7.8	..	..
13.6	K.	.	15 52 18.03	18.09	-0.06	0.62	0.64	-0.02	.	..	..	..	..	..	..
15.6	B.	.	15 51 51.26	51.37	-0.11	0.69	0.64	+0.05	.	17 52 27.0	25.9	-1.1	9.5	..	..
17.6	La.	.	15 51 23.57	23.59	-0.02	0.66	0.64	+0.02	.	17 50 51.4	49.4	-2.0	9.0	..	..
18.6	S.	.	15 51 9.18	9.29	-0.11	0.72	0.64	+0.08	.	17 50 1.8	0.0	-1.8	9.0	..	..
19.6	Br.	.	15 50 54.56	54.74	-0.18	0.69	0.65	+0.04	.	-17 49 11.9	10.1	-1.8	9.4	..	..

* In 1897, 1898, and 1899 the ring was observed in declination.

S A T U R N *—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Apr. 20.6	K.	.	15 50 39.95	39.94	+0.01	0.66	0.65	+0.01	.	17 48 21.8	19.6	-2.2	10.0	..	..
21.6	S.	.	15 50 24.78	24.91	-0.13	0.66	0.65	+0.01	.	17 47 30.1	28.5	-1.6	8.2	..	..
22.6	B.	.	15 50 9.41	9.65	-0.24	0.50	0.65	-0.15	.	..	..	..	..	..	..
23.6	K.	.	15 49 54.06	54.16	-0.10	0.66	0.65	+0.01	.	17 45 45.0	44.5	-0.5	8.2	..	..
26.6	Br.	.	15 49 6.17	6.41	-0.24	0.74	0.65	+0.09	.	17 43 5.5	4.6	-0.9	8.6	..	..
27.6	K.	.	15 48 50.09	50.10	-0.01	0.70	0.65	+0.05	.	17 42 10.4	10.4	0.0	9.6	..	..
28.6	S.	.	15 48 33.54	33.60	-0.06	0.66	0.65	+0.01	.	17 41 16.3	15.8	-0.5	8.1	..	..
29.6	B.	.	15 48 16.72	16.93	-0.21	0.63	0.65	-0.02	.	17 40 21.8	20.8	-1.0	8.8	..	..
May 3.5	Br.	.	15 47 8.36	8.64	-0.28	0.68	0.65	+0.03	.	17 36 37.8	37.1	-0.7	8.2	..	..
5.5	S.	.	15 46 33.52	33.66	-0.14	0.77	0.65	+0.12	.	17 34 45.4	43.5	-1.9	9.2	..	..
6.5	B.	.	15 46 15.84	16.01	-0.17	0.70	0.65	+0.05	.	17 33 47.9	46.4	-1.5	8.7	..	..
7.5	K.	.	15 45 58.18	58.26	-0.08	0.66	0.65	+0.01	.	17 32 50.3	49.2	-1.1	10.6	..	..
8.5	La.	.	15 45 40.44	40.41	+0.03	0.64	0.65	-0.01	.	17 31 53.4	51.9	-1.5	9.4	..	..
15.5	S.	.	15 43 33.60	33.72	-0.12	0.64	0.65	-0.01	.	17 25 10.4	9.0	-1.4	9.0	..	..
16.5	S.	.	15 43 15.38	15.46	-0.08	0.66	0.65	+0.01	.	17 24 12.4	11.5	-0.9	9.4	..	..
17.5	Br.	II	15 42 57.01	57.20	-0.19	..	..	..	.	17 23 14.9	14.1	-0.8	10.2	..	..
18.5	K.	.	15 42 38.80	38.94	-0.14	0.68	0.65	+0.03	.	17 22 17.2	16.9	-0.3	8.6	..	..
19.5	S.	.	15 42 20.49	20.69	-0.20	0.67	0.65	+0.02	.	17 21 21.2	19.9	-1.3	8.6	..	..
20.5	B.	.	15 42 2.30	2.44	-0.14	0.74	0.65	+0.09	.	17 20 24.4	23.1	-1.3	9.2	..	..
21.5	Br.	.	15 41 44.03	44.21	-0.18	0.74	0.65	+0.09	.	17 19 27.9	26.5	-1.4	8.2	..	..
22.5	La.	.	15 41 26.00	26.03	-0.03	0.60	0.65	-0.05	.	17 18 31.2	30.2	-1.0	9.2	..	..
25.5	K.	.	15 40 31.66	31.77	-0.11	0.66	0.65	+0.01	.	17 15 43.4	43.2	-0.2	9.6	..	..
26.5	S.	.	15 40 13.75	13.82	-0.07	0.67	0.65	+0.02	.	17 14 49.2	48.4	-0.8	8.7	..	..
27.5	La.	.	15 39 55.87	55.95	-0.08	0.60	0.65	-0.05	.	17 13 54.9	53.9	-1.0	8.8	..	..
29.5	La.	.	15 39 20.46	20.46	0.00	0.74	0.65	+0.09	.	17 12 7.4	6.3	-1.1	9.4	..	..
31.5	Br.	.	15 38 45.17	45.42	-0.25	0.68	0.65	+0.03	.	17 10 21.2	20.7	-0.5	8.2	..	..
June 5.4	La.	.	15 37 20.20	20.16	+0.04	0.64	0.64	0.00	.	17 6 8.8	7.5	-1.3	8.3	..	..
9.4	S.	.	15 36 14.85	14.95	-0.10	0.73	0.64	+0.09	.	17 2 57.8	57.9	+0.1	8.2	..	..
11.4	B.	.	15 35 43.36	43.53	-0.17	0.74	0.64	+0.10	.	17 1 28.3	27.9	-0.4	9.4	..	..
14.4	K.	.	15 34 57.88	57.99	-0.11	0.70	0.64	+0.06	.	16 59 16.4	19.5	+3.1	9.4	..	..
22.4	K.	.	15 33 7.18	7.27	-0.09	0.64	0.63	+0.01	.	16 54 21.0	20.5	-0.5	9.2	..	..
24.4	B.	.	15 32 42.10	42.31	-0.21	0.63	0.63	0.00	.	16 53 17.2	16.5	-0.7	9.0	..	..
26.4	La.	.	15 32 18.44	18.53	-0.09	0.68	0.63	+0.05	.	16 52 17.4	17.3	-0.1	9.8	..	..
1898.															
Apr. 6.7	S.	.	16 43 15.24	15.34	-0.10	0.64	0.63	+0.01	.	20 22 30.8	28.8	-2.0	9.2	..	..
7.7	L.	.	16 43 8.37	8.35	+0.02	0.67	0.63	+0.04	.	20 22 10.9	9.5	-1.4	9.9	..	..
8.6	K.	.	16 43 0.98	0.97	+0.01	0.66	0.63	+0.03	.	20 21 49.6	49.6	0.0	9.4	..	..
9.6	B.	.	16 42 53.10	53.21	-0.11	0.66	0.63	+0.03	.	20 21 29.4	28.9	-0.5	10.1	..	..
12.6	Po.	.	16 42 27.66	27.70	-0.04	0.72	0.64	+0.08	.	20 20 25.8	23.5	-2.3	9.2	..	..
16.6	Br.	.	16 41 48.43	48.56	-0.13	0.69	0.64	+0.05	.	20 18 48.9	47.9	-1.0	9.6	..	..
17.6	S.	.	16 41 37.80	37.90	-0.10	0.68	0.64	+0.04	.	20 18 24.0	22.5	-1.5	8.9	..	..
21.6	L.	.	16 40 51.78	51.85	-0.07	0.65	0.64	+0.01	.	20 16 37.6	36.1	-1.5	9.9	..	..
30.6	Po.	.	16 38 50.34	50.21	+0.13	0.70	0.65	+0.05	.	20 12 10.2	8.0	-2.2	10.0	..	..
May 1.6	S.	.	16 38 35.24	35.33	-0.09	0.67	0.65	+0.02	.	20 11 36.6	36.1	-0.5	9.4	..	..
9.6	Br.	.	16 36 27.80	27.94	-0.14	0.68	0.65	+0.03	.	20 7 10.3	7.8	-2.5	10.2	..	..
10.6	L.	.	16 36 11.04	11.10	-0.06	0.60	0.65	-0.05	.	20 6 34.5	32.9	-1.6	10.7	..	..
11.6	S.	.	16 35 53.92	54.07	-0.15	0.68	0.65	+0.03	.	20 5 58.4	57.7	-0.7	9.2	..	..
12.5	L.	.	16 35 36.80	36.87	-0.07	0.69	0.65	+0.04	.	20 5 22.4	22.2	-0.2	10.2	..	..
13.5	K.	.	16 35 19.48	19.51	-0.03	0.70	0.65	+0.05	.	20 4 47.2	46.6	-0.6	9.4	..	..
16.5	L.	.	16 34 26.32	26.52	-0.20	0.70	0.66	+0.04	.	20 2 60.0	58.3	-1.7	10.0	..	..
17.5	La.	.	16 34 8.47	8.60	-0.13	0.66	0.66	0.00	.	20 2 23.6	21.9	-1.7	11.2	..	..
18.5	S.	.	16 33 50.50	50.57	-0.07	0.69	0.66	+0.03	.	20 1 47.0	45.4	-1.6	10.2	..	..
19.5	L.	.	16 33 32.29	32.42	-0.13	0.67	0.66	+0.01	.	20 1 10.8	8.7	-2.1	10.0	..	..
24.5	Br.	.	16 32 0.24	0.43	-0.19	0.70	0.66	+0.04	.	19 58 5.2	4.5	-0.7	9.4	..	..
25.5	S.	.	16 31 41.71	41.85	-0.14	0.67	0.66	+0.01	.	19 57 28.4	27.5	-0.9	9.2	..	..
27.5	B.	.	16 31 4.34	4.60	-0.26	0.66	0.66	0.00	.	19 56 14.6	13.6	-1.0	9.7	..	..
28.5	Po.	.	16 30 45.87	45.94	-0.07	0.67	0.66	+0.01	.	19 55 38.0	36.8	-1.2	10.0	..	..
30.5	K.	.	16 30 8.54	8.59	-0.05	0.72	0.66	+0.06	.	19 54 23.2	23.3	+0.1	10.7	..	..
31.5	La.	.	16 29 49.82	49.92	-0.10	0.68	0.66	+0.02	.	19 53 48.0	46.6	-1.4	11.0	..	..
June 1.5	S.	.	16 29 31.18	31.26	-0.08	0.61	0.66	-0.05	.	19 53 10.1	10.1	0.0	9.8	..	..
3.5	La.	.	16 28 54.00	54.05	-0.05	0.66	0.66	0.00	.	19 51 57.4	57.6	+0.2	10.2	..	..
5.5	S.	.	16 28 16.91	17.02	-0.11	0.75	0.66	+0.09	.	19 50 46.8	45.9	-0.9	9.6	..	..
6.5	L.	.	16 27 58.45	58.60	-0.15	0.65	0.66	-0.01	.	19 50 11.4	10.3	-1.1	9.3	..	..
7.5	Br.	.	16 27 40.01	40.24	-0.23	0.66	0.66	0.00	.	19 49 35.8	35.0	-0.8	9.3	..	..
9.5	L.	.	16 27 3.68	3.75	-0.07	0.66	0.66	0.00	.	19 48 26.5	25.3	-1.2	10.0	..	..
10.5	B.	.	16 26 45.70	45.66	+0.04	0.69	0.66	+0.03	.	19 47 52.9	50.9	-2.0	9.2	..	..
11.5	Po.	.	16 26 27.88	27.68	+0.20	0.74	0.66	+0.08	.	19 47 18.2	16.8	-1.4	9.6	..	..

* In 1897, 1898, and 1899 the ring was observed in declination.

SATURN—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
June 13.5	Br.	.	16 25 51.88	52.07	-0.19	0.68	0.65	+0.03	.	19 46 10.6	9.7	-0.9	10.0	..	..
14.5	La.	.	16 25 34.55	34.47	+0.08	0.69	0.65	+0.04	.	19 45 39.8	36.8	-3.0	9.2	..	..
20.4	Br.	.	16 23 51.88	52.10	-0.22	0.65	0.65	0.00	.	19 42 29.0	28.8	-0.2	9.6	..	..
21.4	L.	.	16 23 35.44	35.67	-0.23	0.72	0.65	+0.07	.	19 41 61.5	59.3	-2.2	9.9	..	..
22.4	S.	.	16 23 19.38	19.45	-0.07	0.70	0.65	+0.05	.	19 41 31.2	30.2	-1.0	9.8	..	..
23.4	L.	.	16 23 3.38	3.44	-0.06	0.73	0.65	+0.08	.	19 41 3.0	1.8	-1.2	9.2	..	..
24.4	K.	.	16 22 47.58	47.64	-0.06	0.66	0.65	+0.01	.	19 40 35.8	33.9	-1.9	9.0	..	..
27.4	K.	.	16 22 1.59	1.63	-0.04	0.69	0.65	+0.04	.	19 39 15.5	14.3	-1.2	8.6	..	..
29.4	S.	.	16 21 32.10	32.18	-0.08	0.72	0.64	+0.08	.	19 38 26.3	24.5	-1.8	9.7	..	..
30.4	L.	.	16 21 17.86	17.85	+0.01	0.66	0.64	+0.02	.	19 38 1.1	0.7	-0.4	9.5	..	..
1899.															
Apr. 19.7	Sec.	.	17 31 39.45	39.77	-0.32	0.53	0.63	-0.10	.	21 48 18.8	17.3	-1.5	8.4	..	..
26.6	Sec.	.	17 30 38.96	38.99	-0.03	0.69	0.64	+0.05	.	21 47 14.4	13.0	-1.4	9.4	..	..
28.6	Br.	.	17 30 18.18	18.34	-0.16	0.70	0.64	+0.06	.	..	..	..	..	..	..
29.6	B.	.	17 30 7.43	7.49	-0.06	0.65	0.64	+0.01	.	21 46 43.4	42.5	-0.9	9.6	..	..
May 2.6	B.	.	17 29 32.94	32.91	+0.03	0.74	0.65	+0.09	.	21 46 10.9	10.5	-0.4	8.8	..	..
4.6	L.	.	17 29 8.11	8.19	-0.08	0.68	0.65	+0.03	.	21 45 49.7	48.2	-1.5	10.2	..	..
9.6	Br.	.	17 28 0.90	0.98	-0.08	0.72	0.65	+0.07	.	21 44 50.4	49.8	-0.6	9.4	..	..
11.6	L.	.	17 27 32.05	32.08	-0.03	0.72	0.65	+0.07	.	21 44 26.5	25.4	-1.1	10.1	..	..
13.6	B.	.	17 27 2.14	2.11	+0.03	0.66	0.66	0.00	.	21 44 1.8	0.3	-1.5	10.1	..	..
15.6	La.	.	17 26 31.09	31.11	-0.02	0.71	0.66	+0.05	.	21 43 35.3	34.6	-0.7	9.8	..	..
19.6	K.	.	17 25 26.40	26.37	+0.03	0.68	0.66	+0.02	.	21 42 41.6	41.9	+0.3	9.8	..	..
20.6	B.	.	17 25 9.62	9.66	-0.04	0.72	0.66	+0.06	.	21 42 28.4	28.4	0.0	9.3	..	..
22.6	La.	.	17 24 35.60	35.67	-0.07	0.72	0.66	+0.06	.	21 42 1.1	1.1	0.0	10.4	..	..
24.6	Sec.	.	17 24 0.80	0.97	-0.17	0.63	0.66	-0.03	.	..	..	..	..	..	..
25.5	L.	.	17 23 43.34	43.37	-0.03	0.66	0.66	0.00	.	21 41 20.0	19.4	-0.6	9.8	..	..
26.5	El.	.	17 23 25.52	25.61	-0.09	0.70	0.66	+0.04	.	21 41 6.2	5.2	-1.0	10.3	..	..
27.5	La.	.	17 23 7.62	7.71	-0.09	0.76	0.66	+0.10	.	21 40 52.5	51.0	-1.5	10.0	..	..
June 2.5	L.	.	17 21 17.76	17.76	0.00	0.71	0.66	+0.05	.	21 39 24.6	24.5	-0.1	9.8	..	..
3.5	B.	.	..	..	..	..	..	..	.	21 39 10.0	9.9	-0.1	9.8	..	..

SIX-INCH TRANSIT CIRCLE.

June 14.5	Sec.	.	17 17 30.96	31.09	-0.13	0.59	0.66	-0.07	.	21 36 28.4	29.2	+0.8	10.2	..	..
15.5	L.	.	..	..	..	..	..	..	.	21 36 16.0	14.8	-1.2	9.9	..	..
16.5	El.	.	17 16 53.25	53.35	-0.10	0.70	0.66	+0.04	.	21 35 59.0	60.5	+1.5	10.2	..	..
20.5	Br.	.	17 15 38.45	38.64	-0.19	0.74	0.66	+0.08	.	21 35 4.2	4.3	+0.1	9.4	..	..
21.5	S.	.	17 15 20.03	20.17	-0.14	0.66	0.66	0.00	.	21 34 50.0	50.6	+0.6	10.0	..	..
22.5	L.	.	17 15 1.71	1.80	-0.09	0.69	0.66	+0.03	.	21 34 36.4	37.0	+0.6	10.2	..	..
23.5	K.	.	17 14 43.48	43.53	-0.05	0.68	0.66	+0.02	.	21 34 22.2	23.6	+1.4	9.0	..	..
27.5	El.	.	17 13 31.63	31.73	-0.10	0.67	0.66	+0.01	.	..	..	..	..	..	..
29.4	Br.	.	17 12 56.55	56.70	-0.15	0.72	0.66	+0.06	.	21 33 6.8	6.5	-0.3	9.4	..	..
30.4	K.	.	17 12 39.58	39.44	+0.14	0.68	0.66	+0.02	.	21 32 50.2	54.5	+4.3	10.0	..	..
July 1.4	B.	.	17 12 22.20	22.34	-0.14	0.76	0.66	+0.10	.	21 32 42.6	42.6	0.0	9.7	..	..
3.4	La.	.	17 11 48.56	48.71	-0.15	0.68	0.66	+0.02	.	21 32 17.7	19.6	+1.9	9.2	..	..
5.4	Sec.	.	17 11 15.76	15.91	-0.15	0.64	0.66	-0.02	.	21 31 56.5	57.8	+1.3	9.4	..	..
7.4	Br.	.	17 10 43.78	43.98	-0.20	0.66	0.66	0.00	.	21 31 37.4	37.1	-0.3	9.5	..	..
10.4	La.	.	17 9 57.76	57.87	-0.11	0.69	0.65	+0.04	.	21 31 7.6	8.3	+0.7	9.4	..	..
11.4	El.	.	17 9 42.84	43.01	-0.17	0.66	0.65	+0.01	.	21 30 59.8	59.4	-0.4	9.7	..	..

URANUS.

1895.															
Apr. 10.6	K.	C.	15 6 39.57	39.40	+0.17	..	..	..	C.	17 8 45.7	44.8	-0.9	..	..	..
19.6	P.	C.	15 5 18.90	18.60	+0.30	..	..	..	C.	17 3 17.1	15.3	-1.8	..	..	..
23.5	P.	C.	15 4 40.63	40.44	+0.19	..	..	..	C.	17 0 39.9	39.4	-0.5	..	..	..
May 4.5	L.	C.	15 2 51.47	51.24	+0.23	..	..	..	C.	16 53 12.8	11.9	-0.9	..	..	..
9.5	S.	C.	15 2 0.88	0.70	+0.18	..	..	..	C.	16 49 45.8	44.3	1.5	..	..	..
June 6.4	S.	C.	14 57 35.32	35.13	+0.19	..	..	..	C.	16 31 29.5	28.9	-0.6	..	..	..
7.4	S.	C.	14 57 26.94	26.85	+0.09	..	..	..	C.	16 30 54.6	54.7	+0.1	..	..	..
8.4	P.	C.	14 57 18.87	18.69	+0.18	..	..	..	C.	16 30 21.6	21.1	-0.5	..	..	..
1896.															
June 30.4	P.	C.	15 13 35.52	35.25	+0.27	..	..	..	C.	17 41 3.6	3.2	-0.4	..	..	..
July 17.3	K.	C.	15 12 28.80	28.54	+0.26	..	..	..	C.	17 37 5.3	4.8	-0.5	..	..	..

URANUS—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1897.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
Feb. 23.7	S.	C.	15 47 24.13	23.87	+0.26	..	..	..	C.	—19 43 23.6	23.6	0.0	..	..	..
Mar. 2.7	S.	C.	15 47 30.00	29.73	+0.27	..	..	..	C.	19 43 41.9	40.5	—1.4	..	..	..
3.7	La.	C.	15 47 29.99	29.67	+0.32	..	..	..	C.	19 43 39.7	40.1	—0.4	..	..	..
10.7	La.	C.	15 47 23.29	23.00	+0.29	..	..	..	C.	19 43 19.2	18.0	—1.2	..	..	..
22.7	B.	C.	15 46 47.46	47.20	+0.26	..	..	..	C.	19 41 24.5	23.5	—1.0	..	..	..
24.6	S.	C.	15 46 38.68	38.39	+0.29	..	..	..	C.	19 40 56.2	55.4	—0.8	..	..	..
25.6	La.	C.	15 46 33.96	33.69	+0.27	..	..	..	C.	19 40 40.4	40.5	+0.1	..	..	..
27.6	La.	C.	15 46 24.05	23.72	+0.33	..	..	..	C.	19 40 10.3	8.8	—1.5	..	..	..
29.6	Br.	C.	15 46 13.14	12.98	+0.16	..	..	..	C.	19 39 35.2	34.5	—0.7	..	..	..
30.6	K.	C.	15 46 7.67	7.34	+0.33	..	..	..	C.	19 39 18.3	16.5	—1.8	..	..	..
Apr. 1.6	B.	C.	15 45 55.70	55.53	+0.17	..	..	..	C.	19 38 41.3	38.9	—2.4	..	..	..
2.6	K.	C.	15 45 49.67	49.34	+0.33	..	..	..	C.	19 38 20.0	19.3	—0.7	..	..	..
3.6	S.	C.	15 45 43.31	42.99	+0.32	..	..	..	C.	19 37 61.0	59.2	—1.8	..	..	..
5.6	Br.	C.	15 45 30.09	29.80	+0.29	..	..	..	C.	19 37 18.7	17.2	—1.5	..	..	..
6.6	K.	C.	15 45 23.30	22.95	+0.35	..	..	..	C.	19 36 56.3	55.3	—1.0	..	..	..
7.6	S.	C.	15 45 16.34	15.95	+0.39	..	..	..	C.	19 36 34.3	32.9	—1.4	..	..	..
10.6	La.	C.	15 44 54.37	54.03	+0.34	..	..	..	C.	19 35 23.8	22.9	—0.9	..	..	..
11.6	S.	C.	15 44 46.69	46.43	+0.26	..	..	..	C.	19 34 60.2	58.6	—1.6	..	..	..
12.6	Br.	C.	15 44 38.91	38.68	+0.23	..	..	..	C.	19 34 35.3	33.8	—1.5	..	..	..
13.6	K.	C.	15 44 31.13	30.80	+0.33	..	..	..	C.	..	..	..	..	..	..
15.6	B.	C.	15 44 14.97	14.62	+0.35	..	..	..	C.	19 33 18.9	16.9	—2.0	..	..	..
17.6	La.	C.	15 43 58.19	57.94	+0.25	..	..	..	C.	19 32 25.1	23.4	—1.7	..	..	..
18.6	S.	C.	15 43 49.68	49.41	+0.27	..	..	..	C.	19 31 56.8	56.1	—0.7	..	..	..
19.6	Br.	C.	15 43 41.13	40.76	+0.37	..	..	..	C.	19 31 29.3	28.4	—0.9	..	..	..
20.6	K.	C.	15 43 32.36	31.99	+0.37	..	..	..	C.	19 31 2.1	0.3	—1.8	..	..	..
21.6	S.	C.	15 43 23.45	23.12	+0.33	..	..	..	C.	19 30 32.3	31.8	—0.5	..	..	..
22.6	B.	C.	15 43 14.51	14.14	+0.37	..	..	..	C.	19 30 4.0	2.9	—1.1	..	..	..
23.6	K.	C.	15 43 5.38	5.06	+0.37	..	..	..	C.	19 29 33.3	33.7	+0.4	..	..	..
26.6	Br.	C.	15 42 37.54	37.24	+0.30	..	..	..	C.	19 28 3.7	3.9	+0.2	..	..	..
27.6	K.	C.	15 42 28.21	27.78	+0.43	..	..	..	C.	19 27 33.4	33.3	—0.1	..	..	..
29.5	B.	C.	15 42 8.83	8.62	+0.21	..	..	..	C.	19 26 31.7	31.3	—0.4	..	..	..
May 3.5	Br.	C.	15 41 29.66	29.41	+0.25	..	..	..	C.	19 24 26.0	24.2	—1.8	..	..	..
5.5	S.	C.	15 41 9.67	9.44	+0.23	..	..	..	C.	19 23 20.5	19.3	—1.2	..	..	..
6.5	B.	C.	15 40 59.62	59.38	+0.24	..	..	..	C.	19 22 47.7	46.7	—1.0	..	..	..
7.5	K.	C.	15 40 49.53	49.28	+0.25	..	..	..	C.	19 22 13.7	13.8	+0.1	..	..	..
8.5	La.	C.	15 40 39.39	39.14	+0.25	..	..	..	C.	..	..	..	..	..	..
15.5	S.	C.	15 39 27.55	27.40	+0.15	..	..	..	C.	19 17 47.4	46.2	—1.2	..	..	..
16.5	S.	C.	15 39 17.28	17.09	+0.19	..	..	..	C.	19 17 13.1	12.4	—0.7	..	..	..
17.5	Br.	C.	15 39 7.02	6.78	+0.24	..	..	..	C.	19 16 39.3	38.6	—0.7	..	..	..
18.5	K.	C.	15 38 56.79	56.48	+0.31	..	..	..	C.	19 16 5.1	4.8	—0.3	..	..	..
19.5	S.	C.	15 38 46.39	46.18	+0.21	..	..	..	C.	19 15 31.8	30.9	—0.9	..	..	..
20.5	B.	C.	15 38 36.24	35.89	+0.35	..	..	..	C.	19 14 58.6	57.1	—1.5	..	..	..
21.5	Br.	C.	15 38 25.92	25.61	+0.31	..	..	..	C.	19 14 24.3	23.3	—1.0	..	..	..
22.5	La.	C.	15 38 15.62	15.35	+0.27	..	..	..	C.	19 13 50.7	49.6	—1.1	..	..	..
25.5	K.	C.	15 37 45.06	44.74	+0.32	..	..	..	C.	19 12 8.0	8.6	+0.6	..	..	..
26.5	S.	C.	15 37 34.87	34.60	+0.27	..	..	..	C.	19 11 36.0	35.1	—0.9	..	..	..
27.5	La.	C.	15 37 24.79	24.50	+0.29	..	..	..	C.	19 11 3.4	1.7	—1.7	..	..	..
29.5	La.	C.	15 37 4.70	4.43	+0.27	..	..	..	C.	..	..	..	..	..	..
June 1.5	K.	C.	15 36 35.16	34.77	+0.39	..	..	..	C.	19 8 16.5	17.1	+0.6	..	..	..
2.5	S.	C.	15 36 25.18	25.01	+0.17	..	..	..	C.	19 7 44.7	44.7	0.0	..	..	..
3.4	B.	C.	15 36 15.60	15.32	+0.28	..	..	..	C.	19 7 12.9	12.5	—0.4	..	..	..
10.4	K.	C.	15 35 10.11	9.79	+0.32	..	..	..	C.	19 3 35.6	34.7	—0.9	..	..	..
13.4	S.	C.	15 34 43.41	43.14	+0.27	..	..	..	C.	19 2 6.4	6.1	—0.3	..	..	..
21.4	Br.	C.	15 33 37.47	37.20	+0.27	..	..	..	C.	18 58 27.7	26.4	—1.3	..	..	..
23.4	S.	C.	15 33 22.16	22.02	+0.14	..	..	..	C.	18 57 36.7	35.9	—0.8	..	..	..
25.4	K.	C.	15 33 7.66	7.40	+0.26	..	..	..	C.	18 56 48.2	47.3	—0.9	..	..	..
1898.															
Apr. 6.6	S.	C.	16 4 39.84	39.59	+0.25	..	..	..	C.	20 37 54.0	53.5	—0.5	..	..	..
7.6	L.	C.	16 4 33.59	33.35	+0.24	..	..	..	C.	20 37 37.9	36.5	—1.4	..	..	..
8.6	K.	C.	16 4 27.24	26.93	+0.31	..	..	..	C.	20 37 20.9	19.0	—1.9	..	..	..
9.6	B.	C.	16 4 20.64	20.34	+0.30	..	..	..	C.	20 37 2.6	1.1	—1.5	..	..	..
12.6	Po.	C.	16 3 59.84	59.59	+0.25	..	..	..	C.	20 36 5.6	4.4	—1.2	..	..	..
16.6	Br.	C.	16 3 30.05	29.73	+0.32	..	..	..	C.	20 34 43.4	42.7	—0.7	..	..	..
17.6	S.	C.	16 3 22.18	21.90	+0.28	..	..	..	C.	20 34 23.5	21.2	—2.3	..	..	..
21.6	L.	C.	16 2 49.53	49.19	+0.34	..	..	..	C.	20 32 52.2	51.3	—0.9	..	..	..
30.6	Po.	C.	16 1 29.00	28.60	+0.40	..	..	..	C.	20 29 8.4	8.0	—0.4	..	..	..

URANUS—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi- diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi- diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
May 1.6	S.	C.	16 1 19.40	19.14	+0.26	..	..	..	C.	20 28 42.3	41.7	-0.6	..	..	..
9.5	Br.	C.	16 0 0.93	0.66	+0.27	..	..	..	C.	20 25 4.3	2.4	-1.9	..	..	..
10.5	L.	C.	15 59 50.92	50.57	+0.35	..	..	..	C.	20 24 35.8	34.0	-1.8	..	..	..
11.5	S.	C.	15 59 40.63	40.43	+0.20	..	..	..	C.	20 24 6.6	5.4	-1.2	..	..	..
12.5	L.	C.	15 59 30.47	30.24	+0.23	..	..	..	C.	20 23 37.6	36.6	-1.0	..	..	..
13.5	K.	C.	15 59 20.31	20.01	+0.30	..	..	..	C.	20 23 9.0	7.8	-1.2	..	..	..
16.5	L.	C.	15 58 49.40	49.10	+0.30	..	..	..	C.	20 21 41.8	40.4	-1.4	..	..	..
17.5	La.	C.	15 58 38.99	38.74	+0.25	..	..	..	C.	20 21 12.7	11.1	-1.6	..	..	..
18.5	S.	C.	15 58 28.64	28.36	+0.28	..	..	..	C.	20 20 42.8	41.7	-1.1	..	..	..
24.5	Br.	C.	15 57 26.21	25.96	+0.25	..	..	..	C.	20 17 44.8	44.2	-0.6	..	..	..
25.5	S.	C.	15 57 15.81	15.58	+0.23	..	..	..	C.	20 17 15.1	14.5	-0.6	..	..	..
27.5	B.	C.	15 56 55.13	54.86	+0.27	..	..	..	C.	20 16 16.0	15.3	-0.7	..	..	..
30.5	K.	C.	15 56 24.39	24.01	+0.38	..	..	..	C.	20 14 48.0	46.8	-1.2	..	..	..
31.5	La.	C.	15 56 14.01	13.80	+0.21	..	..	..	C.	20 14 18.7	17.5	-1.2	..	..	..
June 1.5	S.	C.	15 56 3.94	3.63	+0.31	..	..	..	C.	20 13 49.8	48.2	-1.6	..	..	..
3.5	La.	C.	15 55 43.74	43.42	+0.32	..	..	..	C.	20 12 50.3	50.0	-0.3	..	..	..
5.5	S.	C.	15 55 23.65	23.43	+0.22	..	..	..	C.	20 11 53.4	52.2	-1.2	..	..	..
6.5	L.	C.	15 55 13.86	13.53	+0.33	0.20	0.13	+0.07	C.	20 11 24.0	23.6	-0.4	..	..	..
7.5	Br.	C.	15 55 3.84	3.69	+0.15	..	..	..	C.	20 10 55.6	55.2	-0.4	..	..	..
9.4	L.	C.	15 54 44.37	44.22	+0.15	0.25	0.13	+0.12	C.	20 9 59.5	58.8	-0.7	..	..	..
11.4	Po.	C.	15 54 25.42	25.07	+0.35	..	..	..	C.	20 9 3.3	3.3	0.0	..	..	..
13.4	Br.	C.	15 54 6.48	6.25	+0.23	..	..	..	C.	20 8 9.0	8.8	-0.2	..	..	..
14.4	La.	C.	15 53 57.28	56.98	+0.30	0.18	0.13	+0.05	C.	20 7 43.6	41.9	-1.7	..	..	..
20.4	Br.	C.	15 53 3.89	3.56	+0.33	..	..	..	C.	20 5 7.1	6.5	-0.6	..	..	..
21.4	L.	C.	15 52 55.30	55.05	+0.25	0.22	0.13	+0.09	C.	20 4 43.0	41.6	-1.4	..	..	..
22.4	S.	C.	15 52 46.86	46.66	+0.20	..	..	..	C.	20 4 18.4	17.1	-1.3	..	..	..
23.4	L.	C.	15 52 38.66	38.40	+0.26	0.22	0.13	+0.09	C.	20 3 54.4	53.0	-1.4	..	..	..
24.4	K.	C.	15 52 30.61	30.27	+0.34	..	..	..	C.	20 3 30.3	29.4	-0.9	..	..	..
27.4	K.	C.	15 52 7.04	6.72	+0.32	..	..	..	C.	20 2 22.3	20.8	-1.5	..	..	..
29.4	S.	C.	15 51 51.90	51.71	+0.19	..	..	..	C.	20 1 38.3	37.1	-1.2	..	..	..
30.4	L.	C.	15 51 44.60	44.43	+0.17	..	..	..	C.	20 1 17.3	15.9	-1.4	..	..	..
1899.															
Apr. 17.6	La.	C.	16 22 49.46	49.17	+0.29	..	..	..	C.	21 27 38.0	36.8	-1.2	..	..	..
19.6	See.	C.	16 22 34.65	34.38	+0.27	..	..	..	C.	21 27 4.9	3.2	-1.7	..	..	..
21.6	Br.	C.	16 22 19.27	18.98	+0.29	..	..	..	C.	21 26 28.3	28.0	-0.3	..	..	..
22.6	B.	C.	16 22 11.34	11.07	+0.27	..	..	..	C.	21 26 10.8	9.9	-0.9	..	..	..
24.6	La.	C.	16 21 54.98	54.82	+0.16	..	..	..	C.	21 25 33.5	32.7	-0.8	..	..	..
26.6	See.	C.	16 21 38.39	38.05	+0.34	..	..	..	C.	21 24 54.5	54.1	-0.4	..	..	..
28.6	Br.	C.	16 21 21.01	20.77	+0.24	..	..	..	C.	21 24 14.7	14.3	-0.4	..	..	..
29.6	B.	C.	16 21 12.25	11.95	+0.30	..	..	..	C.	21 23 55.2	54.1	-1.1	..	..	..
May 2.6	B.	C.	16 20 45.12	44.82	+0.30	..	..	..	C.	21 22 51.3	51.2	-0.1	..	..	..
9.5	Br.	C.	16 19 38.27	38.02	+0.25	..	..	..	C.	21 20 15.7	15.5	-0.2	..	..	..
11.5	L.	C.	16 19 18.49	18.21	+0.28	..	..	..	C.	21 19 29.7	28.9	-0.8	..	..	..
13.5	B.	C.	16 18 58.39	58.13	+0.26	..	..	..	C.	21 18 43.5	41.9	-1.6	..	..	..
15.5	La.	C.	16 18 38.08	37.80	+0.28	..	..	..	C.	21 17 54.8	53.6	-1.2	..	..	..
19.5	K.	C.	16 17 57.02	56.63	+0.39	..	..	..	C.	21 16 16.8	16.1	-0.7	..	..	..
20.5	B.	C.	16 17 46.53	46.25	+0.28	..	..	..	C.	21 15 52.7	51.4	-1.3	..	..	..
23.5	Br.	C.	16 17 15.21	14.98	+0.23	..	..	..	C.	21 14 37.8	36.7	-1.1	..	..	..
24.5	See.	C.	16 17 4.74	4.52	+0.22	..	..	..	C.	21 14 11.6	11.7	+0.1	..	..	..
25.5	L.	C.	16 16 54.40	54.05	+0.35	..	..	..	C.	21 13 47.3	46.6	-0.7	..	..	..
26.5	El.	C.	16 16 43.85	43.57	+0.28	..	..	..	C.	21 13 21.0	21.4	+0.4	..	..	..
27.5	La.	C.	16 16 33.30	33.09	+0.21	..	..	..	C.	21 12 57.1	56.2	-0.9	..	..	..
June 2.5	L.	C.	16 15 30.70	30.43	+0.27	..	..	..	C.	21 10 25.1	24.6	-0.5	..	..	..
3.5	B.	C.	16 15 20.35	20.06	+0.29	..	..	..	C.	21 9 59.6	59.3	-0.3	..	..	..

SIX-INCH TRANSIT CIRCLE.

June 13.4	El.	C.	16 13 39.12	38.90	+0.22	..	..	..	C.	21 5 51.1	52.0	+0.9	..	..	..
14.4	See.	C.	16 13 29.37	29.13	+0.24	..	..	..	C.	21 5 27.4	27.9	+0.5	..	..	..
15.4	L.	C.	16 13 19.66	19.44	+0.22	..	..	..	C.	21 5 4.8	4.0	-0.8	..	..	..
16.4	El.	C.	16 13 9.97	9.84	+0.13	..	..	..	C.	21 4 40.5	40.4	-0.1	..	..	..
19.4	La.	C.	16 12 41.87	41.60	+0.27	..	..	..	C.	21 3 31.0	30.5	-0.5	..	..	..
21.4	S.	C.	16 12 23.43	23.25	+0.18	..	..	..	C.	21 2 45.6	45.1	-0.5	..	..	..
22.4	L.	C.	16 12 14.48	14.23	+0.25	..	..	..	C.	21 2 23.9	22.7	-1.2	..	..	..
23.4	K.	C.	16 12 5.54	5.32	+0.22	..	..	..	C.	21 1 59.9	60.6	+0.7	..	..	..
24.4	B.	C.	16 11 56.74	56.52	+0.22	..	..	..	C.	21 1 37.8	38.7	+0.9	..	..	..

URANUS—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1899.			h m s	s	s	s	s	s		° ' "	"	"	' "	"	"
June 26.4	La.	C.	16 11 39.52	39.28	+0.24	..	..	..	C.	21 0 56.4	55.8	-0.6	..	..	..
27.4	El.	C.	16 11 31.06	30.85	+0.21	..	..	..	C.	21 0 34.8	34.8	0.0	..	..	..
28.4	See.	C.	16 11 22.75	22.53	+0.22	..	..	..	C.	21 0 15.2	14.1	-1.1	..	..	..
29.4	Br.	C.	16 11 14.52	14.34	+0.18	..	..	..	C.	20 59 54.2	53.7	-0.5	..	..	..
30.4	K.	C.	16 11 6.47	6.29	+0.18	..	..	..	C.	20 59 33.2	33.6	+0.4	..	..	..
July 1.4	B.	C.	16 10 58.59	58.37	+0.22	..	..	..	C.	20 59 17.1	13.9	-3.2	..	..	..
3.4	La.	C.	16 10 43.21	42.98	+0.23	..	..	..	C.	20 58 36.3	35.6	-0.7	..	..	..
5.4	See.	C.	16 10 28.41	28.15	+0.26	..	..	..	C.	20 57 60.5	58.6	-1.9	..	..	..

NEPTUNE.

1894.															
Dec. 14.5	P.	C.	4 52 0.96	0.49	+0.47	..	..	..	C.	20 59 47.9	46.9	+1.0	..	..	..
22.4	P.	C.	4 51 5.15	4.67	+0.48	..	..	..	C.	20 58 25.6	23.9	+1.7	..	..	..
1895.															
Jan. 26.3	L.	C.	4 47 53.89	53.52	+0.37	..	..	..	C.	20 54 18.9	17.7	+1.2	..	..	..
Feb. 28.3	L.	C.	4 47 7.62	7.17	+0.45	..	..	..	C.	20 54 48.4	46.5	+1.9	..	..	..
1896.															
Jan. 3.4	K.	C.	4 59 36.31	35.78	+0.53	..	..	..	C.	21 14 26.5	25.3	+1.2	..	..	..
4.4	S.	C.	..	..	..	..	..	..	C.	21 14 16.8	18.2	-1.4	..	..	..
10.4	K.	C.	4 58 54.32	53.89	+0.43	..	..	..	C.	21 13 38.8	38.2	+0.6	..	..	..
11.4	P.	C.	4 58 48.62	48.25	+0.37	..	..	..	C.	21 13 33.4	32.1	+1.3	..	..	..
13.4	L.	C.	4 58 37.55	37.25	+0.30	..	..	..	C.	21 13 22.0	20.5	+1.5	..	..	..
14.4	S.	C.	..	..	..	..	..	..	C.	21 13 16.1	15.0	+1.1	..	..	..
15.4	P.	C.	4 58 26.97	26.63	+0.34	..	..	..	C.	21 13 10.6	9.6	+1.0	..	..	..
16.4	L.	C.	4 58 21.57	21.47	+0.10	..	..	..	C.	21 13 6.0	4.5	+1.5	..	..	..
17.4	K.	C.	4 58 16.88	16.42	+0.46	..	..	..	C.	21 12 61.1	59.5	+1.6	..	..	..
21.4	K.	C.	4 57 57.76	57.32	+0.44	..	..	..	C.	21 12 41.5	41.3	+0.2	..	..	..
27.4	L.	C.	4 57 32.39	32.08	+0.31	..	..	..	C.	21 12 21.4	20.0	+1.4	..	..	..
Oct. 27.6	K.	C.	5 16 49.38	48.67	+0.71	..	..	..	C.	21 38 32.8	31.7	+1.1	..	..	..
Nov. 30.5	B.	C.	5 13 19.90	19.46	+0.44	..	..	..	C.	21 34 13.3	12.4	+0.9	..	..	..
Dec. 3.5	S.	C.	5 12 58.31	57.92	+0.39	..	..	..	C.	21 33 48.7	48.0	+0.7	..	..	..
4.5	K.	C.	5 12 51.11	50.70	+0.41	..	..	..	C.	21 33 41.7	39.9	+1.8	..	..	..
5.5	P.	C.	5 12 43.88	43.47	+0.41	..	..	..	C.	21 33 32.8	31.9	+0.9	..	..	..
7.5	La.	C.	5 12 29.40	28.96	+0.44	..	..	..	C.	21 33 17.2	15.7	+1.5	..	..	..
9.5	La.	C.	5 12 14.83	14.41	+0.42	..	..	..	C.	21 32 61.2	59.7	+1.5	..	..	..
11.5	K.	C.	5 12 0.42	59.88	+0.54	..	..	..	C.	21 32 45.7	43.8	+1.9	..	..	..
14.5	La.	C.	5 11 38.51	38.12	+0.39	..	..	..	C.	21 32 20.5	20.4	+0.1	..	..	..
16.5	S.	C.	5 11 24.12	23.67	+0.45	..	..	..	C.	21 32 6.2	5.0	+1.2	..	..	..
17.5	P.	C.	5 11 16.88	16.48	+0.40	..	..	..	C.	21 31 58.8	57.4	+1.4	..	..	..
23.5	K.	C.	5 10 34.35	33.91	+0.44	..	..	..	C.	21 31 13.7	13.3	+0.4	..	..	..
24.5	B.	C.	5 10 27.37	26.92	+0.45	..	..	..	C.	21 31 7.0	6.2	+0.8	..	..	..
25.5	K.	C.	5 10 20.46	19.99	+0.47	..	..	..	C.	21 30 59.9	59.1	+0.8	..	..	..
26.4	S.	C.	5 10 13.63	13.11	+0.52	..	..	..	C.	21 30 53.3	52.2	+1.1	..	..	..
28.4	B.	C.	5 9 59.97	59.50	+0.47	..	..	..	C.	21 30 39.8	38.6	+1.2	..	..	..
31.4	S.	C.	5 9 39.93	39.47	+0.46	..	..	..	C.	21 30 19.6	18.8	+0.8	..	..	..
1897.															
Jan. 7.4	B.	C.	5 8 55.46	55.05	+0.41	..	..	..	C.	21 29 37.3	37.2	+0.1	..	..	..
8.4	S.	C.	5 8 49.42	49.00	+0.42	..	..	..	C.	21 29 32.7	31.8	+0.9	..	..	..
9.4	La.	C.	5 8 43.46	43.03	+0.43	..	..	..	C.	21 29 27.3	26.5	+0.8	..	..	..
11.4	La.	C.	5 8 31.64	31.36	+0.28	..	..	..	C.	21 29 17.3	16.2	+1.1	..	..	..
12.4	K.	C.	5 8 26.09	25.67	+0.42	..	..	..	C.	21 29 10.9	11.3	-0.4	..	..	..
18.4	B.	C.	5 7 53.97	53.51	+0.46	..	..	..	C.	21 28 45.4	45.1	+0.3	..	..	..
19.4	S.	C.	5 7 48.92	48.51	+0.41	..	..	..	C.	21 28 41.4	41.3	+0.1	..	..	..
22.4	K.	C.	5 7 34.56	34.15	+0.41	..	..	..	C.	21 28 31.7	30.8	+0.9	..	..	..
23.4	S.	C.	5 7 30.01	29.58	+0.43	..	..	..	C.	21 28 27.8	27.6	+0.2	..	..	..
25.4	S.	C.	5 7 21.18	20.77	+0.41	..	..	..	C.	21 28 22.0	21.8	+0.2	..	..	..
26.4	K.	C.	5 7 17.02	16.54	+0.48	..	..	..	C.	21 28 20.0	19.2	+0.8	..	..	..
29.4	K.	C.	5 7 5.19	4.61	+0.58	..	..	..	C.	21 28 11.4	12.3	-0.9	..	..	..
Feb. 4.3	B.	C.	5 6 44.59	44.14	+0.45	..	..	..	C.	21 28 3.9	3.8	+0.1	..	..	..
9.3	K.	C.	5 6 31.18	30.71	+0.47	..	..	..	C.	21 28 3.1	1.8	+1.3	..	..	..
14.3	S.	C.	5 6 21.15	20.75	+0.40	..	..	..	C.	+21 28 4.1	4.5	-0.4	..	..	..

NEPTUNE—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
			h m s	s	s	s	s	s		° / "	"	"	' "	"	"
1897.															
Feb. 16.3	K.	C.	5 6 18.25	17.75	+0.50	..	..	..	C.	+21 28 9.0	7.1	+1.9	..	..	..
17.3	S.	C.	5 6 16.93	16.45	+0.48	..	..	..	C.	21 28 9.0	8.7	+0.3	..	..	..
19.3	K.	C.	5 6 14.56	14.30	+0.26	..	..	..	C.	21 28 13.1	12.3	+0.8	..	..	..
23.3	S.	C.	5 6 12.15	11.74	+0.41	..	..	..	C.	21 28 23.2	22.1	+1.1	..	..	..
24.3	La.	C.	5 6 11.89	11.45	+0.44	..	..	..	C.	21 28 26.2	25.1	+1.1	..	..	..
27.3	La.	C.	5 6 11.95	11.50	+0.45	..	..	..	C.	21 28 35.7	35.2	+0.5	..	..	..
Oct. 14.7	L.	C.	5 27 25.15	24.65	+0.50	..	..	..	C.	21 51 22.5	21.3	+1.2	..	..	..
15.7	K.	C.	5 27 22.30	21.78	+0.52	..	..	..	C.	21 51 18.2	16.9	+1.3	..	..	..
16.7	B.	C.	5 27 19.30	18.77	+0.53	..	..	..	C.	21 51 13.5	12.5	+1.0	..	..	..
17.7	S.	C.	5 27 16.10	15.62	+0.48	..	..	..	C.	21 51 9.0	8.0	+1.0	..	..	..
Nov. 2.6	B.	C.	5 26 9.26	8.71	+0.55	..	..	..	C.	21 49 47.4	46.0	+1.4	..	..	..
3.6	S.	C.	5 26 4.06	3.57	+0.49	..	..	..	C.	21 49 40.4	40.3	+0.1	..	..	..
4.6	L.	C.	5 25 58.85	58.34	+0.51	..	..	..	C.	21 49 36.4	34.6	+1.8	..	..	..
5.6	Br.	C.	5 25 53.47	53.00	+0.47	..	..	..	C.	21 49 27.4	28.8	-1.4	..	..	..
6.6	La.	C.	5 25 48.00	47.56	+0.44	..	..	..	C.	21 49 23.7	22.9	+0.8	..	..	..
9.6	B.	C.	5 25 31.21	30.69	+0.52	..	..	..	C.	21 49 6.0	5.0	+1.0	..	..	..
11.6	L.	C.	5 25 19.20	19.03	+0.17	..	..	..	C.	21 48 54.2	53.0	+1.2	..	..	..
12.6	K.	C.	5 25 13.54	13.06	+0.48	..	..	..	C.	21 48 47.2	46.9	+0.3	..	..	..
13.6	Po.	C.	5 25 7.46	7.01	+0.45	..	..	..	C.	21 48 41.9	40.8	+1.1	..	..	..
17.6	S.	C.	5 24 42.35	41.92	+0.43	..	..	..	C.	21 48 16.5	15.6	+0.9	..	..	..
18.6	L.	C.	5 24 36.01	35.47	+0.54	..	..	..	C.	21 48 11.8	9.2	+2.6	..	..	..
19.6	K.	C.	5 24 29.36	28.97	+0.39	..	..	..	C.	21 48 4.2	2.9	+1.3	..	..	..
20.6	Br.	C.	5 24 22.91	22.40	+0.51	..	..	..	C.	21 47 56.6	56.5	+0.1	..	..	..
23.5	B.	C.	5 24 2.88	2.34	+0.54	..	..	..	C.	21 47 37.4	37.4	0.0	..	..	..
24.5	S.	C.	5 23 55.91	55.53	+0.38	..	..	..	C.	21 47 32.4	31.0	+1.4	..	..	..
27.5	Po.	C.	5 23 35.41	34.80	+0.61	..	..	..	C.	21 47 12.2	11.6	+0.6	..	..	..
29.5	K.	C.	5 23 21.34	20.78	+0.56	..	..	..	C.	21 46 59.9	58.7	+1.2	..	..	..
30.5	La.	C.	5 23 14.28	13.72	+0.56	..	..	..	C.	21 46 53.7	52.2	+1.5	..	..	..
Dec. 1.5	S.	C.	5 23 6.96	6.62	+0.34	..	..	..	C.	21 46 46.5	45.7	+0.8	..	..	..
7.5	Br.	C.	5 22 23.85	23.43	+0.42	..	..	..	C.	21 46 8.0	7.1	+0.9	..	..	..
8.5	S.	C.	5 22 16.64	16.18	+0.46	..	..	..	C.	21 46 1.5	0.7	+0.8	..	..	..
9.5	L.	C.	5 22 9.40	8.91	+0.49	..	..	..	C.	21 45 55.3	54.4	+0.9	..	..	..
10.5	K.	C.	5 22 2.09	1.62	+0.47	..	..	..	C.	21 45 48.9	48.0	+0.9	..	..	..
15.5	S.	C.	5 21 25.60	25.20	+0.40	..	..	..	C.	21 45 17.7	16.8	+0.9	..	..	..
16.5	Br.	C.	5 21 18.33	17.93	+0.40	..	..	..	C.	21 45 12.3	10.7	+1.6	..	..	..
23.5	B.	C.	5 20 27.95	27.51	+0.44	..	..	..	C.	21 44 28.7	29.3	-0.6	..	..	..
24.5	K.	C.	5 20 20.98	20.42	+0.56	..	..	..	C.	21 44 25.7	23.6	+2.1	..	..	..
27.5	L.	C.	5 19 59.92	59.37	+0.55	..	..	..	C.	21 44 7.0	6.9	+0.1	..	..	..
28.5	La.	C.	5 19 52.90	52.44	+0.46	..	..	..	C.	21 44 2.6	1.5	+1.1	..	..	..
30.4	L.	C.	5 19 39.27	38.75	+0.52	..	..	..	C.	21 43 52.4	51.0	+1.4	..	..	..
1898.															
Jan. 3.4	J.	C.	5 19 12.49	11.99	+0.50	..	..	..	C.	21 43 31.1	30.9	+0.2	..	..	..
4.4	Br.	C.	5 19 5.95	5.45	+0.50	..	..	..	C.	21 43 27.1	26.2	+0.9	..	..	..
5.4	S.	C.	5 18 59.49	58.98	+0.51	..	..	..	C.	21 43 21.8	21.5	+0.3	..	..	..
7.4	K.	C.	5 18 46.82	46.23	+0.59	..	..	..	C.	21 43 12.3	12.3	0.0	..	..	..
8.4	Po.	C.	5 18 40.60	39.97	+0.63	..	..	..	C.	21 43 10.0	7.9	+2.1	..	..	..
13.4	L.	C.	5 18 10.44	9.88	+0.56	..	..	..	C.	21 42 48.1	47.7	+0.4	..	..	..
17.4	Br.	C.	5 17 47.96	47.43	+0.53	..	..	..	C.	21 42 34.5	33.7	+0.8	..	..	..
24.4	K.	C.	5 17 12.53	11.97	+0.56	..	..	..	C.	21 42 16.2	14.2	+2.0	..	..	..
26.4	S.	C.	5 17 3.36	2.82	+0.54	..	..	..	C.	21 42 11.2	9.8	+1.4	..	..	..
27.4	B.	C.	5 16 58.87	58.42	+0.45	..	..	..	C.	21 42 9.2	7.9	+1.3	..	..	..
28.4	L.	C.	5 16 54.69	54.14	+0.55	..	..	..	C.	21 42 7.6	6.2	+1.4	..	..	..
Feb. 3.3	L.	C.	5 16 31.66	31.01	+0.65	..	..	..	C.	21 41 59.9	58.6	+1.3	..	..	..
4.3	K.	C.	5 16 28.15	27.59	+0.56	..	..	..	C.	21 41 59.9	57.8	+2.1	..	..	..
6.3	S.	C.	5 16 21.61	21.16	+0.45	..	..	..	C.	21 41 57.5	56.8	+0.7	..	..	..
7.3	K.	C.	5 16 18.70	18.13	+0.57	..	..	..	C.	21 41 57.4	56.6	+0.8	..	..	..
8.3	La.	C.	5 16 15.70	15.23	+0.47	..	..	..	C.	21 41 57.5	56.5	+1.0	..	..	..
Oct. 19.7	S.	C.	5 36 55.63	55.17	+0.46	..	..	..	C.	22 0 24.3	23.6	+0.7	..	..	..
20.7	L.	C.	5 36 52.36	51.94	+0.42	..	..	..	C.	22 0 20.6	19.9	+0.7	..	..	..
22.6	Br.	C.	5 36 45.60	45.10	+0.50	..	..	..	C.	22 0 12.6	12.4	+0.2	..	..	..
24.6	L.	C.	5 36 38.33	37.76	+0.57	..	..	..	C.	22 0 5.3	4.7	+0.6	..	..	..
25.6	Br.	C.	5 36 34.40	33.91	+0.49	..	..	..	C.	22 0 1.4	0.7	+0.7	..	..	..
26.6	S.	C.	5 36 30.43	29.95	+0.48	..	..	..	C.	21 59 57.8	56.7	+1.1	..	..	..
27.6	L.	C.	5 36 26.28	25.85	+0.43	..	..	..	C.	21 59 52.8	52.6	+0.2	..	..	..
31.6	K.	C.	5 36 8.74	8.31	+0.43	..	..	..	C.	+21 59 37.9	36.0	+1.9	..	..	..

N E P T U N E—Continued.

Date.	Observer.	Part observed.	Apparent Right Ascension of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Sid. time of transit of Semi-diameter.	Value from Am. Eph.	Corr'n to Am. Eph.	Part observed.	Apparent Declination of Center.	Seconds from Am. Eph.	Corr'n to Am. Eph.	Vertical Semi-diameter.	Seconds from Am. Eph.	Corr'n to Am. Eph.
1898.			h m s	s	s	s	s	s		° ' "	"	"	" "	"	"
Nov. 1.6	La.	C.	5 36 4.12	3.64	+0.48	..	..	..	C.	+21 59 32.8	31.7	+1.1	..	..	..
2.6	S.	C.	5 35 59.36	58.87	+0.49	..	..	..	C.	21 59 28.1	27.4	+0.7	..	..	..
3.6	L.	C.	5 35 54.44	53.98	+0.46	..	..	..	C.	21 59 23.8	23.1	+0.7	..	..	..
4.6	K.	C.	5 35 49.48	48.97	+0.51	..	..	..	C.	21 59 21.2	18.8	+2.4	..	..	..
7.6	L.	C.	5 35 33.84	33.34	+0.50	..	..	..	C.	21 59 6.1	5.4	+0.7	..	..	..
11.6	K.	C.	5 35 11.63	11.15	+0.48	..	..	..	C.	21 58 49.5	47.3	+2.2	..	..	..
12.6	B.	C.	5 35 5.90	5.36	+0.54	..	..	..	C.	21 58 42.8	42.7	+0.1	..	..	..
14.6	L.	C.	5 34 53.99	53.52	+0.47	..	..	..	C.	21 58 34.4	33.5	+0.9	..	..	..
19.6	B.	C.	5 34 23.01	22.52	+0.49	..	..	..	C.	21 58 11.1	9.9	+1.2	..	..	..
21.6	K.	C.	5 34 10.19	9.61	+0.58	..	..	..	C.	21 58 1.9	0.3	+1.6	..	..	..
24.6	Br.	C.	5 33 50.29	49.74	+0.55	..	..	..	C.	21 57 47.8	45.9	+1.9	..	..	..
27.5	S.	C.	5 33 29.88	29.36	+0.52	..	..	..	C.	21 57 31.4	31.5	-0.1	..	..	..
30.5	S.	C.	5 33 9.06	8.53	+0.53	..	..	..	C.	21 57 18.2	17.0	+1.2	..	..	..
Dec. 13.5	Fi.	C.	5 31 35.49	34.92	+0.57	..	..	..	C.	21 56 16.0	15.4	+0.6	..	..	..
14.5	S.	C.	5 31 28.16	27.61	+0.55	..	..	..	C.	21 56 11.5	10.8	+0.7	..	..	..
15.5	L.	C.	5 31 20.74	20.30	+0.44	..	..	..	C.	21 56 5.9	6.2	-0.3	..	..	..
16.5	K.	C.	5 31 13.52	12.99	+0.53	..	..	..	C.	21 56 2.3	1.7	+0.6	..	..	..
17.5	B.	C.	5 31 6.20	5.68	+0.52	..	..	..	C.	21 55 57.9	57.2	+0.7	..	..	..
23.5	K.	C.	5 30 22.66	22.12	+0.54	..	..	..	C.	21 55 32.4	31.2	+1.2	..	..	..
24.5	B.	C.	5 30 15.49	14.94	+0.55	..	..	..	C.	21 55 27.2	27.0	+0.2	..	..	..
26.5	Br.	C.	5 30 1.24	0.63	+0.61	..	..	..	C.	21 55 19.3	18.9	+0.4	..	..	..
29.5	Fi.	C.	5 29 40.11	39.55	+0.56	..	..	..	C.	21 55 7.1	7.0	+0.1	..	..	..
1899.															
Jan. 7.4	Fi.	C.	5 28 39.34	38.74	+0.60	..	..	..	C.	21 54 35.1	34.8	+0.3	..	..	..
10.4	Fi.	C.	5 28 20.15	19.61	+0.54	..	..	..	C.	21 54 26.2	25.5	+0.7	..	..	..
14.4	L.	C.	5 27 55.64	55.18	+0.36	..	..	..	C.	21 54 14.9	14.4	+0.5	..	..	..
19.4	L.	C.	5 27 27.07	26.60	+0.47	..	..	..	C.	21 54 3.9	2.7	+1.2	..	..	..
20.4	K.	C.	5 27 21.68	21.17	+0.51	..	..	..	C.	21 54 1.8	0.7	+1.1	..	..	..
21.4	Br.	C.	5 27 16.35	15.84	+0.51	..	..	..	C.	21 53 58.7	58.8	-0.1	..	..	..
23.4	La.	C.	5 27 5.99	5.47	+0.52	..	..	..	C.	21 53 56.3	55.3	+1.0	..	..	..
25.4	L.	C.	5 26 56.03	55.54	+0.49	..	..	..	C.	21 53 52.2	52.0	+0.2	..	..	..
26.4	Br.	C.	5 26 51.35	50.73	+0.62	..	..	..	C.	21 53 51.0	50.6	+0.4	..	..	..
27.4	K.	C.	5 26 46.54	46.03	+0.51	..	..	..	C.	+21 53 49.7	49.4	+0.3	..	..	..
SIX-INCH TRANSIT CIRCLE.															
Nov. 20.6	La.	C.	5 44 10.30	9.79	+0.51	..	..	..	C.	+22 5 59.7	58.3	+1.4	..	..	..
21.6	Br.	C.	5 44 4.01	3.46	+0.55	..	..	..	C.	22 5 55.3	55.1	+0.2	..	..	..
23.6	L.	C.	5 43 51.15	50.59	+0.56	..	..	..	C.	22 5 48.4	48.7	-0.3	..	..	..
24.6	B.	C.	5 43 44.58	44.06	+0.52	..	..	..	C.	22 5 47.0	45.5	+1.5	..	..	..
28.5	Br.	C.	5 43 17.79	17.27	+0.52	..	..	..	C.	22 5 32.7	32.7	0.0	..	..	..
Dec. 6.5	B.	C.	5 42 21.83	21.24	+0.59	..	..	..	C.	22 5 6.9	7.6	-0.7	..	..	..
8.5	B.	C.	5 42 7.46	6.87	+0.59	..	..	..	C.	22 5 1.7	1.4	+0.3	..	..	..
12.5	Br.	C.	5 41 38.43	37.84	+0.59	..	..	..	C.	22 4 49.4	49.4	0.0	..	..	..
15.5	La.	C.	5 41 16.49	15.93	+0.56	..	..	..	C.	22 4 40.9	40.6	+0.3	..	..	..
19.5	Br.	C.	5 40 47.23	46.65	+0.58	..	..	..	C.	22 4 29.0	29.2	-0.2	..	..	..
20.5	U.	C.	5 40 39.81	39.34	+0.47	..	..	..	C.	22 4 25.7	26.4	-0.7	..	..	..
21.5	L.	C.	5 40 32.59	32.04	+0.55	..	..	..	C.	22 4 24.1	23.6	+0.5	..	..	..
22.5	B.	C.	5 40 25.34	24.75	+0.59	..	..	..	C.	22 4 20.8	20.9	-0.1	..	..	..
26.5	Br.	C.	5 39 56.30	55.77	+0.53	..	..	..	C.	+22 4 10.2	10.4	-0.2	..	..	..

MINOR PLANETS.

HEBE (6).

Date.	Ob- server.	Apparent Right Ascension.			Correction to Ephemeris.	Apparent Declination.			Correc- tion to Epheme- ris.	Remarks.
1895.		h	m	s	s	°	'	"	"	
Mar. 21.5	S.	11	5	13.54	+ 3.33	+17	46	8.2	- 4.0	Ephemeris in Berlin Jahrbuch, 1897.
22.5	S.	11	4	26.93	+ 3.29	+17	52	59.7	- 3.3	
28.4	S.	11	0	6.54	+ 3.30	+18	29	31.2	- 2.7	
29.4	S.	10	59	26.70	+ 3.25	+18	34	49.7	- 2.8	
1897.										
Nov. 17.6	S.	5	15	21.99	+ 1.76	- 2	34	28.3	+ 7.4	Ephemeris in Berlin Jahrbuch, 1899.
18.6	L.	5	14	32.73	+ 1.99	.	.	.	.	
19.6	K.	5	13	41.66	+ 1.78	- 2	37	55.6	+ 7.3	
20.5	Br.	5	12	49.58	+ 1.86	- 2	39	12.1	+ 7.6	
23.5	B.	5	10	6.05	+ 1.84	- 2	41	9.4	+ 9.4	
27.5	Po.	5	6	15.09	+ 2.07	- 2	39	19.1	+ 8.7	
29.5	K.	5	4	15.43	+ 1.95	- 2	36	25.5	+ 8.1	
Dec. 1.5	S.	5	2	14.26	+ 1.94	- 2	32	11.2	+ 8.5	
7.5	Br.	4	56	8.48	+ 1.98	- 2	11	33.7	+ 8.2	
9.5	L.	4	54	8.15	+ 1.92	- 2	2	5.0	+ 9.2	
10.5	K.	4	53	8.53	+ 1.72	- 1	56	52.6	+ 9.6	
15.5	S.	4	48	21.97	+ 1.88	- 1	26	20.6	+10.6	
16.5	Br.	4	47	27.11	+ 1.72	- 1	19	24.5	+ 8.6	
23.4	B.	4	41	37.83	+ 1.83	- 0	23	14.5	+14.2	
24.4	K.	4	40	53.57	+ 1.93	- 0	14	20.6	+10.5	Ephemeris position extrapolated.

FLORA (8).

1896.										
Dec. 10.5	P.	4	31	19.44	- 7.73	+14	42	22.6	-64.4	Ephemeris in Berlin Jahrbuch, 1898.
11.5	K.	4	30	18.30	- 7.59	+14	45	22.8	-63.8	
14.5	La.	4	27	22.09	- 7.62	+14	54	59.2	-63.8	
16.4	S.	4	25	32.07	- 7.44	+15	1	53.8	-63.9	
17.4	P.	4	24	39.44	- 7.38	+15	5	31.3	-62.8	
23.4	K.	4	20	1.86	.	+15	29	12.3	.	

PARTHENOPE (11).

1897.										
Sept. 30.5	L.	1	8	25.72	+ 2.13	- 0	52	45.5	+10.6	Ephemeris in Berlin Jahrbuch, 1899.
Oct. 2.5	La.	1	6	42.35	+ 2.26	- 1	6	1.6	+10.1	
3.5	B.	1	5	50.12	+ 2.30	- 1	12	33.0	+10.6	
5.5	L.	1	4	4.78	+ 2.19	- 1	25	21.5	+11.3	
6.5	S.	1	3	12.16	+ 2.37	- 1	31	37.4	+11.7	
7.5	L.	1	2	19.11	+ 2.14	- 1	37	47.5	+11.8	
9.5	La.	1	0	33.83	+ 2.31	- 1	49	48.3	+10.9	
11.5	L.	0	58	48.95	+ 2.09	- 2	1	18.5	+10.6	
12.5	Br.	0	57	57.15	+ 2.16	- 2	6	51.0	+10.7	
13.5	S.	0	57	5.82	+ 2.28	- 2	12	15.0	+10.4	
14.5	L.	0	56	14.69	+ 2.12	- 2	17	28.9	+11.0	
16.5	B.	0	54	34.71	+ 2.37	- 2	27	29.9	+ 9.9	
18.5	K.	0	52	56.99	+ 2.14	- 2	36	48.3	+10.2	

PSYCHE (16).										
Date.	Ob- server.	Apparent Right Ascension.			Correction to Ephemeris.	Apparent Declination.			Correc- tion to Epheme- ris.	Remarks.
1897.		h	m	s	s	°	'	''	''	
Feb. 25.5	S.	10	22	12.11	. .	+10	32	39.6	. .	Corrected for parallax. See Astronomical Journal, vol. 17, p. 87.
26.5	B.	10	21	25.01	. .	+10	37	57.8	. .	
27.5	La.	10	20	38.28	. .	+10	43	13.2	. .	
Mar. 2.5	S.	10	18	19.48	. .	+10	58	43.5	. .	
3.5	La.	10	17	33.89	. .	+11	3	47.6	. .	
16.4	K.	10	8	39.68	. .	+12	4	53.9	. .	
THETIS (17).										
1895.										
Apr. 23.5	P.	14	18	12.31	. .	- 3	3	39.7	. .	Not corrected for parallax.
May 4.5	L.	14	8	33.05	. .	- 2	15	44.2	. .	
AMPHITRITE (29).										
1898.										
Jan. 7.4	K.	5	25	26.69	- 6.62	+33	5	46.1	- 9.7	Ephemeris in Astronomische Nachrichten, Bd. 145, p. 10.
8.4	Po.	5	24	38.87	- 6.51	+33	2	36.6	- 8.2	
13.4	L.	5	21	7.71	- 6.44	+32	45	42.0	- 9.2	
17.4	Br.	5	18	55.12	- 6.34	+32	31	21.0	- 8.1	
18.4	L.	5	18	27.26	- 6.32	+32	27	39.5	- 10.7	
20.4	L.	5	17	37.99	- 6.26	+32	20	16.5	- 12.6	
21.4	K.	5	17	16.74	- 6.10	+32	16	34.5	- 13.0	
FIDES (37).										
1894.										
Nov. 27.5	P.	3	42	52.17	. .	+24	25	44.5	. .	Not corrected for parallax.
NEMAUSA (51).										
1896.										
Oct. 8.5	P.	2	12	41.95	. .	+ 4	33	0.7	. .	Not corrected for parallax.
9.5	K.	2	11	55.12	. .	+ 4	23	54.2	. .	
15.5	S.	2	6	58.89	. .	+ 3	29	35.5	. .	
19.5	S.	2	3	29.78	. .	+ 2	54	1.4	. .	
24.5	P.	1	59	2.72	. .	+ 2	11	20.3	. .	
26.5	S.	1	57	16.11	. .	+ 1	55	1.9	. .	
27.5	K.	1	56	23.19	. .	+ 1	47	3.1	. .	
29.5	S.	1	54	38.02	. .	+ 1	31	33.8	. .	
31.5	P.	1	52	54.25	. .	+ 1	16	41.7	. .	
Nov. 5.4	S.	1	48	46.22	. .	+ 0	42	35.7	. .	
10.4	S.	1	44	59.44	. .	+ 0	13	31.9	. .	
13.4	K.	1	43	1.70	. .	- 0	3	34.5	. .	
NIOBE (71).										
1898.										
Sept. 12.5	L.	23	50	48.80	- 8.06	+26	18	47.7	-75.3	Manuscript ephemeris.
16.5	K.	23	46	44.94	- 8.00	+26	19	1.3	-69.4	
17.5	B.	23	45	43.58	- 7.89	+26	18	28.5	-67.8	
19.5	K.	23	42	40.34	- 8.01	+26	16	35.4	-69.8	

SAPPHO (80).

Date.	Ob- server.	Apparent Right Ascension.	Correction to Ephemeris.	Apparent Declination.	Correc- tion to Epheme- ris.	Remarks.
1896.		h m s	s	° ' "	"	
Nov. 5.4	S.	1 32 52.86	- 0.18	+10 52 10.7	- 1.8	Ephemeris in Berlin Jahrbuch, 1898.
6.4	La.	1 32 22.55	- 0.26	+10 41 9.6	- 1.5	
13.4	K.	1 29 38.71	: .	+ 9 30 46.4	. .	
14.4	B.	1 29 22.39	. .	+ 9 21 46.8	. .	

EUKRATE (247).

1898.						
Jan. 13.5	L.	7 41 18.35	- 0.70	+62 9 16.0	+ 3.0	Ephemeris in Berlin Jahrbuch, 1900.
18.5	L.	7 31 57.44	- 0.78	+61 37 28.4	+ 2.4	
20.5	L.	7 28 27.39	- 0.42	+61 21 22.9	+ 5.0	
21.5	K.	7 26 45.43	- 0.91	+61 12 36.5	+ 4.4	
24.5	K.	7 21 57.88	- 0.89	+60 43 36.1	- 1.1	
26.5	S.	7 19 1.54	- 0.83	+60 22 22.4	+ 4.9	
27.4	B.	7 17 37.76	- 1.32	+60 10 57.9	- 5.4	

HERMENTARIA (346).

1896.						
Aug. 14.5	K.	22 38 22.57	+16.78	-21 26 32.1	+77.6	Ephemeris in Astronomical Journal, vol. 16, p. 187.
15.5	P.	22 37 38.42	+16.78	-21 34 2.3	+71.2	
28.5	K.	22 27 17.74	+17.33	-23 1 19.2	+72.7	
Sept. 7.5	S.	22 19 16.63	+17.24	-23 51 5.1	+65.4	
8.5	P.	22 18 31.22	+17.23	-23 54 59.5	+63.8	
9.5	S.	22 17 46.82	+17.44	-23 58 38.6	+64.7	
10.5	L.	22 17 2.69	+17.14	-24 2 7.8	+62.8	

MEAN PLACES OF MISCELLANEOUS STARS.

The epoch of the mean places immediately follows the name.

B. D. + 5°, 76 (1895.0).									
1895			h	m	s	°	'	''	
Aug. 27.6	L.	o	30	29.71	+	5	47	4.5	
Sept. 2.6	L.			29.55				3.9	
3.6	L.			29.61				3.6	
22.5	L.			29.75				3.9	
28.5	L.			29.63				3.4	
Mean		o	30	29.65	+	5	47	3.9	
B. D. + 5°, 86 (1895.0).									
1895			h	m	s	°	'	''	
Aug. 27.6	L.	o	33	41.97	+	6	1	3.0	
B. D. + 5°, 111 (1895.0).									
1895			h	m	s	°	'	''	
Sept. 2.6	L.	o	44	45.60	+	6	9	15.7	
3.6	L.			45.63				17.2	
22.5	L.			45.57				15.9	
28.5	L.			45.62				15.5	
Mean		o	44	45.60	+	6	9	16.1	
B. D. + 5°, 149 (1896.0).									
1896			h	m	s	°	'	''	
Dec. 11.3	K.	1	4	52.10	+	5	40	2.8	
14.3	La.			52.02				2.0	
16.3	S.			52.01				2.7	
Mean		1	4	52.04	+	5	40	2.5	
B. D. + 5°, 151 (1896.0).									
1896			h	m	s	°	'	''	
Dec. 11.3	K.	1	5	23.27	+	5	41	53.2	
14.3	La.			23.21				52.5	
16.3	S.			23.18				53.1	
Mean		1	5	23.22	+	5	41	52.9	
B. D. + 5°, 156 (1895.0).									
1895			h	m	s	°	'	''	
Sept. 22.5	L.	1	7	11.57	+	6	2	15.8	
27.5	K.			11.62				16.9	
28.5	L.			11.69				16.6	
Oct. 1.5	L.			11.73				16.3	
Mean		1	7	11.65	+	6	2	16.4	
B. D. + 5°, 167 (1895.0).									
1895			h	m	s	°	'	''	
Sept. 20.6	K.	1	13	59.42	+	5	49	3.8	
22.5	L.			59.33				2.8	
27.5	K.			59.43				4.2	
28.5	L.			59.31				2.6	
Mean		1	13	59.37	+	5	49	3.4	
B. D. + 5°, 175 (1895.0).									
1895			h	m	s	°	'	''	
Sept. 22.6	L.	1	18	5.02	+	5	35	2.8	
28.5	L.			5.00				0.6	
Oct. 1.5	L.			5.10				1.7	
2.5	K.			4.98				1.6	
Mean		1	18	5.02	+	5	35	1.7	
B. D. + 5°, 178 (1895.0).									
1895			h	m	s	°	'	''	
Sept. 27.5	K.	1	18	56.54	+	5	35	3.5	
28.5	L.			56.45				2.9	
Oct. 2.5	K.			56.49				4.3	
Mean		1	18	56.49	+	5	35	3.6	
ANONYMOUS (1895.0).									
1895			h	m	s	°	'	''	
Sept. 28.5	L.	1	19	27.77	+	5	24	3.8	
Oct. 1.5	L.			27.72				3.9	
3.5	L.			27.68				4.0	
Mean		1	19	27.72	+	5	24	3.9	
B. D. + 4°, 247 (1895.0).									
1895			h	m	s	°	'	''	
Oct. 2.5	K.	1	19	33.51	+	5	10	35.2	
3.5	L.			33.76				33.6	
Mean		1	19	33.64	+	5	10	34.4	
B. D. + 6°, 316 (1896.0).									
1896			h	m	s	°	'	''	
Jan. 10.3	K.	1	55	14.88	+	6	47	48.9	
14.3	S.			14.99				50.2	
Mean		1	55	14.94	+	6	47	49.6	
B. D. + 6°, 319 (1896.0).									
1896			h	m	s	°	'	''	
Jan. 10.3	K.	1	57	9.63	+	7	10	35.8	
14.3	S.			9.74				36.1	
Mean		1	57	9.69	+	7	10	36.0	
1 TAURI (1896.0).									
1896			h	m	s	°	'	''	
Dec. 24.4	B.	3	19	12.86	+	8	39	46.0	
25.4	K.			12.98				45.0	
26.4	S.			13.00				45.2	
30.4	B.			12.99				45.8	
Mean		3	19	12.96	+	8	39	45.5	
2 TAURI (1896.0).									
1896			h	m	s	°	'	''	
Dec. 25.4	K.	3	21	31.96	+	9	22	11.8	
26.4	S.			31.96				11.5	
28.4	B.			31.94				12.8	
Mean		3	21	31.95	+	9	22	12.0	
B. D. + 7°, 515 (1896.0).									
1896			h	m	s	°	'	''	
Dec. 24.4	B.	3	25	39.74	+	7	10	32.1	
25.4	K.			39.56				30.2	
26.4	S.			39.75				32.3	
28.4	B.			39.70				32.3	
30.4	B.			39.68				31.4	
Mean		3	25	39.69	+	7	10	31.7	
B. D. - 18°, 2040 (1895.0).									
1895			h	m	s	°	'	''	
Dec. 2.6	S.	7	45	5.80	-	18	44	31.6	
6.6	S.			5.84				33.3	
25.6	S.			5.88				33.1	
Mean		7	45	5.84	-	18	44	32.7	
B. D. + 61°, 1381 (1897.0).									
1897			h	m	s	°	'	''	
May 6.4	B.	13	46	43.09	+	61	1	50.5	
15.4	S.			43.16				51.8	
16.4	S.			43.19				51.1	
17.4	Br.			43.14				50.0	
21.4	Br.			43.13				50.5	
25.4	K.			43.29				51.5	
27.4	La.			43.25				51.6	
29.4	La.			43.33				50.3	
June 10.4	K.			43.12				51.5	
11.4	B.			43.19				50.4	
Mean		13	46	43.19	+	61	1	50.9	
B. D. + 37°, 2545 (1897.0).									
1897			h	m	s	°	'	''	
Apr. 29.5	B.	14	29	7.76	+	37	24	51.3	
May 6.5	B.			7.68				51.0	
7.5	K.			7.83				51.6	
16.4	S.			7.71				51.5	
17.4	Br.			7.84				50.1	
27.4	La.			7.69				50.2	
29.4	La.			7.66				50.2	
June 10.4	K.			7.75				52.3	
Mean		14	29	7.74	+	37	24	51.0	
B. D. + 41°, 2539 (1897.0).									
1897			h	m	s	°	'	''	
May 6.5	B.	14	52	6.71	+	41	33	5.2	
7.5	K.			6.88				5.3	
8.5	La.			6.71				5.0	
16.5	S.			6.70				5.2	
17.5	Br.			6.91				5.9	
20.5	B.			.				6.1	
27.4	La.			6.83				6.4	
June 10.4	K.			6.81				6.5	
11.4	B.			6.75				5.4	
Mean		14	52	6.79	+	41	33	5.7	

B. D. + 44°, 2652 (1897.0).									
1897			h	m	s	°	'	''	
May 18.6	K.	17	1	56.53	+ 43	57	8.3		
21.5	Br.			56.67			8.8		
27.5	La.			56.66			8.2		
29.5	La.			56.63			8.8		
June 11.5	B.			56.69			6.4		
14.5	K.			56.76			6.7		
Mean		17	1	56.66	+ 43	57	7.9		
B. D. + 49°, 2583 (1898.0).									
1898			h	m	s	°	'	''	
June 13.5	Br.	17	2	7.44	+ 48	56	40.5		
14.5	La.			7.27			41.0		
20.5	Br.			7.33			40.4		
21.5	L.			7.57			39.6		
23.5	L.			7.38			39.9		
27.4	K.			7.23			39.7		
29.4	S.			7.36			40.4		
July 1.4	K.			7.33			39.6		
2.4	B.			7.38			40.8		
Mean		17	2	7.37	+ 48	56	40.2		
B. D. + 39°, 3147 (1897.0).									
1897			h	m	s	°	'	''	
May 18.6	K.	17	27	13.62	+ 38	57	34.3		
21.6	Br.			13.69			34.7		
27.5	La.			13.70			34.1		
June 11.5	B.			13.71			32.5		
14.5	K.			13.76			33.9		
Mean		17	27	13.70	+ 38	57	33.9		
BESSEL XX ^b , 997 (1898.0).									
1898			h	m	s	°	'	''	
Sept. 16.4	K.	20	41	15.64	- 6	21	8.4		
17.4	B.			15.63			10.8		
19.4	K.			15.64			10.4		
24.4	B.			15.60			10.0		
Mean		20	41	15.63	- 6	21	9.9		
MÜNCHEN II, 10832 (1898.0).									
1898			h	m	s	°	'	''	
Sept. 16.4	K.	20	42	45.97	- 6	23	51.0		
17.4	B.			45.92			52.6		
19.4	K.			45.96			50.9		
24.4	B.			45.84			51.9		
Mean		20	42	45.92	- 6	23	51.6		
MÜNCHEN II, 10842 (1898.0).									
1898			h	m	s	°	'	''	
Sept. 16.4	K.	20	43	18.73	- 6	18	42.6		
19.4	K.			18.74			43.1		
24.4	B.			18.62			43.9		
Mean		20	43	18.70	- 6	18	43.2		
B. D. - 5°, 5440 (1898.0).									
1898			h	m	s	°	'	''	
Nov. 14.2	L.	20	56	30.39	- 5	3	57.5		
15.2	La.			30.26			56.7		
21.2	K.			30.31			58.3		
Mean		20	56	30.32	- 5	3	57.5		
B. D. - 16°, 5811 (1895.0).									
1895			h	m	s	°	'	''	
Nov. 4.3	L.	21	4	46.62	- 16	36	1.1		
B. D. - 4°, 5393 (1898.0).									
1898			h	m	s	°	'	''	
Nov. 20.2	S.	21	7	53.79	- 4	25	23.9		
21.2	K.			53.81			24.0		
25.2	K.			53.86			22.4		
Mean		21	7	53.82	- 4	25	23.4		
B. D. - 3°, 5153 (1895.0).									
1895			h	m	s	°	'	''	
Nov. 4.3	L.	21	8	14.05	- 3	38	46.8		
5.3	L.			14.17			45.9		
Mean		21	8	14.11	- 3	38	46.4		
LALANDE 41356 (1898.0).									
1898			h	m	s	°	'	''	
Nov. 12.2	B.	21	13	7.21	- 4	6	31.6		
14.2	L.			7.23			31.6		
15.2	La.			6.83			29.7		
20.2	S.			7.01			31.3		
Mean		21	13	7.07	- 4	6	31.0		
SCHJELLERUP 8624 (1898.0).									
1898			h	m	s	°	'	''	
Nov. 12.2	B.	21	15	11.87	- 3	53	45.8		
14.2	L.			11.79			47.2		
15.2	La.			11.56			44.6		
Mean		21	15	11.74	- 3	53	45.9		
B. D. - 3°, 5196 (1898.0).									
1898			h	m	s	°	'	''	
Nov. 20.2	S.	21	18	39.25	- 3	48	6.1		
21.2	K.			39.17			6.4		
25.2	K.			39.16			5.9		
Mean		21	18	39.19	- 3	48	6.1		
B. D. + 51°, 3324 (1897.0).									
1897			h	m	s	°	'	''	
Sept. 8.5	S.	22	14	38.96	+ 52	8	24.7		
9.5	B.			39.11			23.2		
10.5	L.			39.14			23.3		
13.4	B.			39.15			24.8		
14.4	L.			39.00			23.5		
15.4	S.			38.95			25.5		
18.4	La.			39.13			24.2		
Oct. 1.6	K.			39.02			23.8		
9.4	La.			39.11			23.8		
15.4	K.			38.93			23.6		
Mean		22	14	39.05	+ 52	8	24.0		
B. D. - 19°, 6275 (1896.0).									
1896			h	m	s	°	'	''	
Sept. 9.5	S.	22	20	38.37	- 19	5	31.8		
10.5	L.			38.50			33.4		
11.5	P.			38.42			31.6		
Mean		22	20	38.43	- 19	5	32.3		
B. D. - 19°, 6281 (1896.0).									
1896			h	m	s	°	'	''	
Sept. 7.5	S.	22	23	11.15	- 19	15	11.9		
9.5	S.			11.27			11.9		
10.5	L.			11.44			12.8		
Mean		22	23	11.29	- 19	15	12.2		
B. D. - 12°, 6302 (1896.0).									
1896			h	m	s	°	'	''	
Nov. 7.3	P.	22	29	6.85	- 11	54	59.2		
15.3	B.			6.75			58.0		
25.3	P.			6.78			58.8		
Mean		22	29	6.79	- 11	54	58.7		
B. D. - 19°, 6303 (1896.0).									
1896			h	m	s	°	'	''	
Nov. 13.3	K.	22	29	32.38	- 18	57	14.9		
14.3	B.			32.60			14.8		
16.3	La.			32.59			14.7		
Dec. 3.2	S.			32.46			13.7		
Mean		22	29	32.51	- 18	57	14.5		
RADCLIFFE '90, 6058 (1896.0).									
1896			h	m	s	°	'	''	
Aug. 11.5	K.	22	31	0.08	- 18	48	33.4		
Sept. 3.5	L.						33.7		
9.5	S.			0.06			33.5		
10.5	L.			0.18			33.9		
Mean		22	31	0.11	- 18	48	33.6		
B. D. - 18°, 6175 (1896.0).									
1896			h	m	s	°	'	''	
Aug. 25.5	K.	22	37	27.18	- 18	35	45.7		
28.5	K.			27.17			44.7		
Sept. 9.5	S.			27.12			43.6		
Mean		22	37	27.16	- 18	35	44.7		
B. D. - 18°, 6178 (1896.0).									
1896			h	m	s	°	'	''	
Aug. 24.5	L.	22	38	13.37	- 18	8	42.2		
Sept. 3.5	L.						41.6		
8.5	P.			13.18			41.3		
10.5	L.			13.32			42.2		
Mean		22	38	13.29	- 18	8	41.8		
O. ARG. S. 22395 (1896.0).									
1896			h	m	s	°	'	''	
Aug. 11.6	K.	22	40	28.31	- 18	38	59.3		
25.5	K.			28.34			39 1.8		
28.5	K.			28.25			39 0.8		
Sept. 9.5	S.			28.18			38 59.8		
Mean		22	40	28.27	- 18	39	0.4		
B. D. - 5°, 6006 (1896.0).									
1896			h	m	s	°	'	''	
Aug. 28.5	K.	23	26	19.78	- 4	59	22.3		
Sept. 9.5	S.			19.69			22.9		
Oct. 5.4	S.			19.72			22.7		
Mean		23	26	19.73	- 4	59	22.6		

B. D. — 4°, 5923 (1896.0).									
1896			h	m	s	°	'	''	
Aug. 28.5	K.	23 34	5.66	—	4	3	8.0		
Sept. 9.5	S.		5.61				9.9		
10.5	L.		5.65				9.2		
Oct. 5.4	S.		5.58				9.6		
Mean		23 34	5.62	—	4	3	9.2		

B. D. — 3°, 5698 (1896.0).									
1896			h	m	s	°	'	''	
Aug. 28.5	K.	23 40	2.81	—	3	11	44.7		
Sept. 9.5	S.		2.77				44.4		
10.5	L.		2.82				44.9		
Oct. 5.4	S.		2.80				45.0		
Mean		23 40	2.80	—	3	11	44.8		

B. D. — 2°, 6051 (1896.0).									
1896			h	m	s	°	'	''	
Aug. 28.6	K.	23 47	37.21	—	2	18	25.2		
Sept. 8.5	P.		37.07				25.4		
9.5	S.		37.22				25.7		
Oct. 5.4	S.		37.16				25.7		
Mean		23 47	37.17	—	2	18	25.5		

SIX-INCH TRANSIT CIRCLE.

[The Observations of November, 1898, were made on the Nine-inch Transit Circle.]

B. D. — 6°, 5563 (1899.0).									
1899			h	m	s	°	'	''	
July 17.5	La.	20 37	28.58	—	6	10	31.0		
18.5	Br.		28.63				23.7		
22.5	B.		28.44				35.0		
Aug. 16.5	B.		28.51				34.8		
30.4	B.		28.48				33.5		
Mean		20 37	28.53	—	6	10	32.6		

B. D. — 6°, 5574 (1899.0).									
1898			h	m	s	°	'	''	
Nov. 11.2	K.	20 40	5.66	—	6	3	11.9		
1899									
July 22.5	B.	20 40	5.44	—	6	3	16.2		
Aug. 8.5	Ei.		5.57				16.0		
Sept. 11.4	U.		5.64				13.0		
14.4	U.		5.59				13.4		
Mean		20 40	5.58	—	6	3	14.1		

B. D. — 6°, 5577 (1899.0).									
1899			h	m	s	°	'	''	
Aug. 16.5	B.	20 40	20.94	—	5	53	12.9		
31.4	U.		.				13.0		
Sept. 4.4	U.		.				15.4		
9.4	B.		20.85				11.2		
13.4	B.		20.88				10.9		
Mean		20 40	20.89	—	5	53	12.7		

B. D. — 5°, 5421 (1899.0).									
1898			h	m	s	°	'	''	
Nov. 11.2	K.	20 51	20.89	—	5	20	42.8		
1899									
July 17.5	La.	20 51	20.94	—	5	20	43.9		
18.5	Br.		21.02				44.7		
22.5	B.		20.90				41.4		
Mean		20 51	20.94	—	5	20	43.2		

B. D. — 5°, 5424 (1899.0).									
1899			h	m	s	°	'	''	
Aug. 30.4	B.	.	.			5	18	55.6	
Sept. 13.4	B.	20 52	29.20				56.2		
30.3	B.		29.13				56.7		
Mean		20 52	29.16	—	5	18	56.2		

B. D. — 5°, 5426 (1899.0).									
1899			h	m	s	°	'	''	
Sept. 4.4	U.	20 53	2.43	—	5	15	12.5		
11.4	U.		2.46				13.2		
16.4	B.		2.40				12.7		
Mean		20 53	2.43	—	5	15	12.8		

B. D. — 5°, 5429 (1899.0).									
1899			h	m	s	°	'	''	
Aug. 8.5	Ei.	20 53	55.62	—	5	13	38.1		
30.4	B.		.				35.9		
Sept. 13.4	B.		55.75				38.2		
16.4	B.		55.58				37.4		
Oct. 19.3	L.		55.73				.		
Mean		20 53	55.67	—	5	13	37.4		

B. D. — 5°, 5451 (1899.0).									
1898			h	m	s	°	'	''	
Nov. 14.2	L.	20 59	20.98	—	4	53	29.1		
1899									
Aug. 31.4	U.	20 59	20.93	—	4	53	27.1		
Sept. 4.4	U.		21.06				26.3		
9.4	B.		20.72				25.8		
11.4	U.		20.98				27.6		
14.4	U.		20.94				26.9		
16.4	B.		20.69				[20.7]		
Mean		20 59	20.90	—	4	53	27.1		

B. D. — 5°, 5453 (1899.0).									
1899			h	m	s	°	'	''	
Oct. 9.3	La.	20 59	29.90	—	4	53	43.0		
19.3	L.		30.01				33.8		
20.3	Ei.		29.75				37.9		
Mean		20 59	29.89	—	4	53	38.2		

B. D. — 4°, 5365 (1899.0).									
1898			h	m	s	°	'	''	
Nov. 14.2	L.	21 2	36.92	—	4	45	4.3		
1899									
Sept. 13.4	B.	21 2	37.01	—	4	44	[56.6]		
21.4	U.		36.89			45	2.6		
30.4	B.		36.66				0.4		
Oct. 20.3	Ei.		36.84				3.5		
Mean		21 2	36.86	—	4	45	2.7		

B. D. — 4°, 5366 (1899.0).									
1899			h	m	s	°	'	''	
Sept. 30.4	B.	21 2	50.53	—	4	42	18.0		

B. D. — 3°, 5234 (1899.0).									
1898			h	m	s	°	'	''	
Nov. 25.2	K.	21 27	0.42	—	3	11	53.9		
1899									
July 17.6	La.	21 27	0.58	—	3	11	53.3		
18.6	Br.		0.63				52.8		
22.6	B.		0.44				53.2		
Aug. 24.5	U.		0.51				53.5		
Sept. 14.4	U.		0.52				52.9		
Mean		21 27	0.52	—	3	11	53.3		

B. D. — 3°, 5241 (1899.0).									
1898			h	m	s	°	'	''	
Nov. 25.2	K.	21 28	12.21	—	3	7	44.7		
1899									
July 22.6	B.	21 28	12.30	—	3	7	44.4		
Aug. 16.5	B.		12.20				44.3		
31.5	U.		12.27				46.7		
Sept. 11.4	U.		12.36				46.2		
13.4	B.		12.33				45.3		
21.4	U.		12.27				47.6		
Mean		21 28	12.28	—	3	7	45.6		

B. D. — 1°, 4212 (1899.0).									
1899			h	m	s	°	'	''	
July 22.6	B.	21 46	52.30	—	1	45	30.1		
Aug. 7.5	La.		52.32				29.3		
16.5	B.		52.16				27.6		
24.5	U.		52.24				30.6		
30.5	B.		52.34				28.6		
31.5	U.		52.22				29.3		
Sept. 4.5	U.		52.29				28.8		
11.4	U.		52.18				27.5		
Mean		21 46	52.26	—	1	45	29.0		

B. D. — 4°, 5955 (1899.0).									
1899			h	m	s	°	'	''	
Sept. 17.5	S.	23 42	12.66	—	4	27	52.8		
18.5	U.		12.59				51.6		
22.5	L.		12.59				52.6		
Mean		23 42	12.61			4	27	52.3	

QB
4
W32
v.1
cop.2

U.S. Naval Observatory
Publications. Second
series

Physical &
Applied Sci.
Serials

PLEASE DO NOT REMOVE
CARDS OR SLIPS FROM THIS POCKET

UNIVERSITY OF TORONTO LIBRARY
